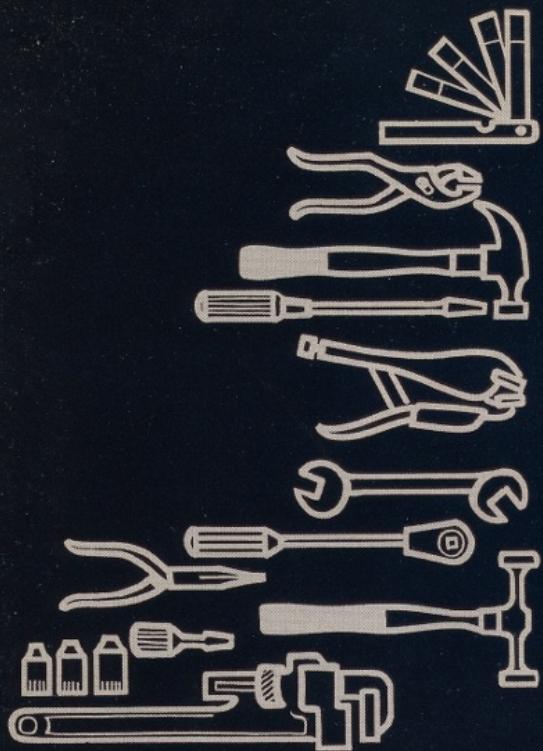


P & C TOOL COMPANY

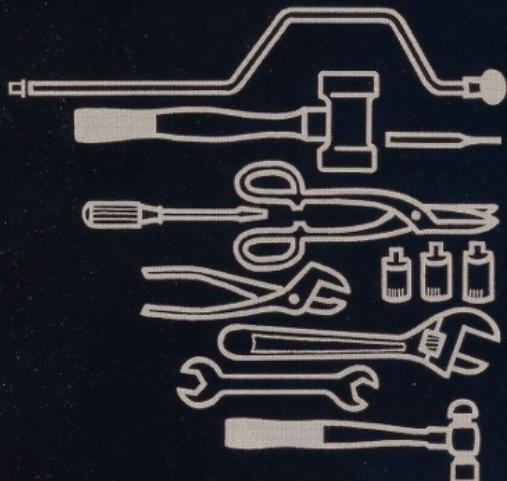
Portland 22, Oregon

Wholly owned Subsidiary of





EVERY
P&C TOOL IS
QUALITY ENGINEERED
FOR THE
JOB



P & C TOOL COMPANY

P. O. Box 5926 Portland 22, Oregon
In Canada, Box 3595, London, Ontario

Wholly owned Subsidiary of

AMERICAN
HARDWARE
MANUFACTURERS'
ASSOCIATION



OFFICIAL **P & C** GUARANTEE

TOOL COMPANY

P & C Tools are America's finest quality tools. They are made from the very best steels and alloys obtainable. Any P & C Tool found defective in workmanship or material and returned to the factory prepaid will be replaced or repaired provided it has been used for the purpose for which the tool was designed.

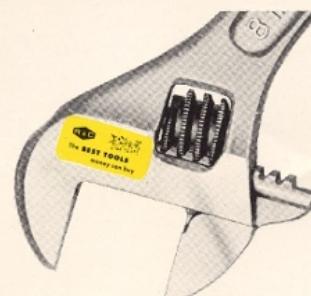
Every P & C Tool is made by a skilled master craftsman and is carefully inspected before leaving our factories. P & C Tools are made according to the very highest standards so they will hold up for years and years of hard wear.

Every P & C Tool is specifically designed for the job. They are rugged, without being awkward, and are easy to handle and use. P & C Tools will work perfectly for you today, tomorrow and even 50 years from now with only reasonable care. In the more than 40 years of P & C history there has never been a compromise with quality.

Today, this philosophy of "The Best Tools Money Can Buy" is still adhered to at P & C. Close inspection insures that P & C Tools meet rigid specifications. Hot forging and special alloy steel makes them stronger and tougher. Perfect design makes them light weight and easy to handle.

P&C TOOLS ARE PRE-PRICED

Every P & C Tool carries its own price sticker. Customers can tell at a glance the price of any tool. You save time and money and end customer confusion.



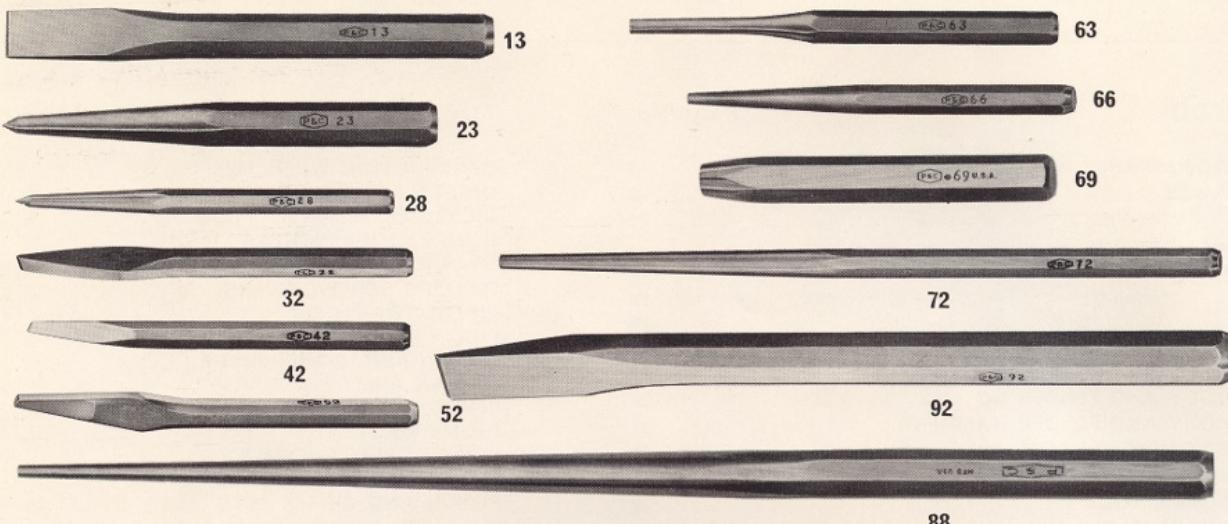
NOTICE: Due to government restrictions or other causes all P & C Tools, prices, finish, design, steel analysis and other specifications are subject to change without notice.
SEE LATEST PRICE LIST FOR PRICES.



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P & C PUNCHES AND CHISELS



PUNCHES AND CHISELS

Made of the finest alloy steel, P&C punches and chisels are heat treated and tempered for long life, are properly balanced and easy to handle. Beveled heads, sandblasted, grey satin finish, large hexagon handles, highly polished taper or bevel, precision ground point or cutting edge. Every tool lacquered to resist rust.

COLD CHISELS

No.	Cut	Stock	Length	Wt. Lbs.
9-A	$\frac{1}{4}$ "	$\frac{3}{16}$ "	$4\frac{1}{8}$ "	.03
10	$\frac{5}{16}$ "	$\frac{1}{4}$ "	$5\frac{1}{8}$ "	.08
11	$\frac{3}{8}$ "	$\frac{5}{16}$ "	$5\frac{3}{8}$ "	.13
12	$\frac{7}{16}$ "	$\frac{3}{8}$ "	$5\frac{1}{2}$ "	.18
12-A	$\frac{1}{2}$ "	$\frac{7}{16}$ "	6"	.24
13	$\frac{5}{8}$ "	$\frac{1}{2}$ "	$6\frac{5}{8}$ "	.33
14	$\frac{3}{4}$ "	$\frac{19}{32}$ "	7"	.53
15	$\frac{7}{8}$ "	$\frac{23}{32}$ "	8"	.78
17	$\frac{7}{8}$ "	$\frac{23}{32}$ "	12"	1.43
17-A	1"	$\frac{13}{16}$ "	8"	1.26
18	1"	$\frac{13}{16}$ "	12"	1.93
19	$1\frac{3}{16}$ "	$\frac{15}{16}$ "	12"	2.4

CENTER PUNCHES

No.	Stock Size	Length	Wt. Lbs.
20	$\frac{1}{4}$ "	4"	.05
21	$\frac{5}{16}$ "	$4\frac{1}{2}$ "	.10
22	$\frac{3}{8}$ "	$4\frac{3}{4}$ "	.15
22-A	$\frac{7}{16}$ "	$4\frac{7}{8}$ "	.19
23	$\frac{1}{2}$ "	5"	.25
24	$\frac{19}{32}$ "	6"	.45

PRICK PUNCHES

No.	Stock Size	Length	Wt. Lbs.
27	$\frac{1}{4}$ "	$4\frac{1}{2}$ "	.08
28	$\frac{5}{16}$ "	5"	.10
29	$\frac{3}{8}$ "	$5\frac{1}{2}$ "	.15

CAPE CHISELS

No.	Stock Size	Cut Size	Length	Wt. Lbs.
30	$\frac{1}{4}$ "	$\frac{3}{16}$ "	$4\frac{1}{8}$ "	.08
31	$\frac{5}{16}$ "	$\frac{1}{4}$ "	$5\frac{1}{4}$ "	.13
32	$\frac{3}{8}$ "	$\frac{5}{16}$ "	$5\frac{3}{8}$ "	.18
33	$\frac{1}{2}$ "	$\frac{3}{8}$ "	$6\frac{1}{4}$ "	.33
34	$\frac{19}{32}$ "	$\frac{7}{16}$ "	7"	.50

DIAMOND POINT CHISELS

No.	Stock Size	Cut Size	Length	Wt. Lbs.
40	$\frac{1}{4}$ "	$\frac{5}{32}$ "	$4\frac{1}{2}$ "	.08
41	$\frac{5}{16}$ "	$\frac{3}{16}$ "	5"	.13
42	$\frac{3}{8}$ "	$\frac{7}{32}$ "	$5\frac{1}{2}$ "	.18
43	$\frac{1}{2}$ "	$\frac{9}{32}$ "	6"	.33

ROUND NOSE CHISELS

No.	Stock Size	Cut Size	Length	Wt. Lbs.
50	$\frac{1}{4}$ "	$\frac{3}{32}$ "	$4\frac{1}{2}$ "	.08
51	$\frac{5}{16}$ "	$\frac{5}{32}$ "	$5\frac{1}{4}$ "	.13
52	$\frac{3}{8}$ "	$\frac{3}{16}$ "	$5\frac{3}{4}$ "	.18
53	$\frac{1}{2}$ "	$\frac{1}{4}$ "	$6\frac{1}{4}$ "	.33

PIN PUNCHES

No.	Stock Size	Point Diam.	Point Length	Length	Wt. Lbs.
58	$\frac{1}{4}$ "	$\frac{1}{16}$ "	$\frac{3}{4}$ "	$4\frac{1}{4}$ "	.05
60	$\frac{1}{4}$ "	$\frac{3}{32}$ "	$\frac{3}{4}$ "	$4\frac{1}{4}$ "	.05
61	$\frac{5}{16}$ "	$\frac{1}{8}$ "	1"	$4\frac{1}{2}$ "	.08
62	$\frac{5}{16}$ "	$\frac{5}{32}$ "	$1\frac{1}{4}$ "	5"	.10
63	$\frac{3}{8}$ "	$\frac{3}{16}$ "	$1\frac{3}{8}$ "	$5\frac{1}{4}$ "	.13
63-S	$\frac{3}{8}$ "	$\frac{3}{16}$ "	$\frac{3}{4}$ "	$4\frac{5}{8}$ "	.11
64	$\frac{7}{16}$ "	$\frac{7}{32}$ "	$1\frac{1}{4}$ "	$5\frac{1}{4}$ "	.18
64-1	$\frac{1}{2}$ "	$\frac{1}{4}$ "	$1\frac{5}{8}$ "	$5\frac{3}{4}$ "	.23

STARTER PUNCHES

No.	Stock Size	Point Diam.	Point Length	Length	Wt. Lbs.
65	$\frac{5}{16}$ "	$\frac{1}{8}$ "	$2\frac{1}{4}$ "	5"	.10
66	$\frac{3}{8}$ "	$\frac{5}{32}$ "	$2\frac{3}{8}$ "	5"	.15
67	$\frac{1}{2}$ "	$\frac{3}{16}$ "	$2\frac{3}{8}$ "	5"	.25

DRIFT PUNCHES

No.	Stock Size	Point Diam.	Length	Wt. Lbs.
70	$\frac{1}{4}$ "	$\frac{3}{32}$ "	10"	.10
71	$\frac{5}{16}$ "	$\frac{1}{8}$ "	10"	.15
72	$\frac{3}{8}$ "	$\frac{3}{16}$ "	10"	.23
73	$\frac{7}{16}$ "	$\frac{7}{32}$ "	10"	.33
74	$\frac{1}{2}$ "	$\frac{1}{4}$ "	10"	.43
75	$\frac{19}{32}$ "	$\frac{5}{16}$ "	10"	.68
76	$\frac{23}{32}$ "	$\frac{3}{8}$ "	10"	1.00

ALIGNING PUNCH

No.	Stock Size	Point Diam.	Length	Wt. Lbs.
88	$\frac{19}{32}$ "	$\frac{3}{16}$ "	16"	.98

RIVET HEADER

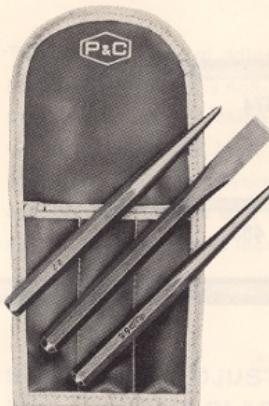
No.	Stock Size	Point Diam.	Length	Wt. Lbs.
69	$\frac{19}{32}$ "	$\frac{7}{16}$ "	5"	.40

RIVET SHEAR CHISELS

No.	Stock Size	Cut Size	Length	Wt. Lbs.
91	$\frac{19}{32}$ "	$\frac{3}{4}$ "	6"	.45
92	$\frac{23}{32}$ "	$\frac{7}{8}$ "	12"	1.4

PUNCH AND CHISEL SETS P & C

3 PIECE PUNCH AND CHISEL SET

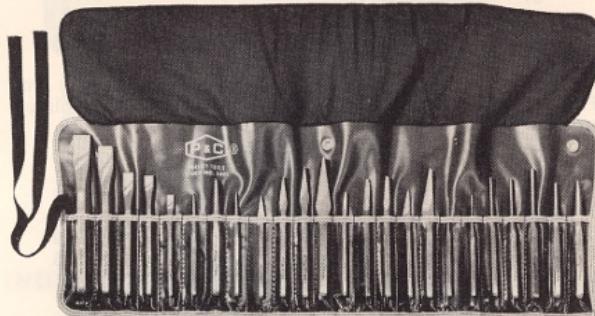


No. 9 Set

Includes Nos.

- 12 Cold Chisel
- 22 Center Punch
- 66 Starter Punch
- 2409 Plastic Kit 3 1/4" x 6 3/4"
- Wt. .45 lbs.

24 PIECE PUNCH AND CHISEL SET



No. 1 Set

One each of the following:

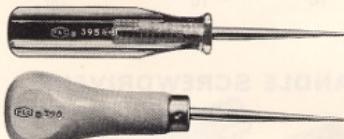
Cold Chisels	Nos. 10, 11, 12, 13, 14
Cape Chisels.....	Nos. 30, 31, 32, 33
Diamond Chisels	Nos. 40, 41, 42
Round Nose Chisels	Nos. 50, 52
Center Punches	Nos. 21, 23
Prick Punch	No. 27
Pin Punches	Nos. 60, 61, 62, 63, 64
Starter Punches.....	Nos. 66, 67

2401 Plastic Kit 8 1/2" x 25 1/2"

Wt. 3.8 Lbs.



AWLS



390 Wood Handle
395 Plastic Handle

Length
6 1/2"
6 1/2"

Wt.
.12
.14

P & C SCREWDRIVERS

STUBBY SCREWDRIVERS



STANDARD TIP
501 Length 3" Wt. .07
601 Length 3 7/8" Wt. .13

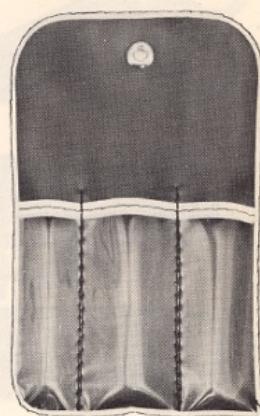
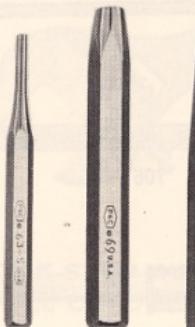


PHILLIPS NO. 2
670 Length 2 1/2" Wt. .08
REED & PRINCE
690 Length 2 7/8" Wt. .07

SICKLE BAR REPAIR SETS

Specially designed for repairing knife sections and ledger plates on harvesting equipment.

No. 6 Set



Set No. 6

63-S

67

69

Plastic Kit No.

2406

Set No. 7

63-S

67

69

91

2407

Set No. 8

63-S

69

91

2406

63-S

Pin Punch

Designed for driving out rivets. Short and husky yet long enough to reach through ledger plate and guard.

67

Starter Punch

For breaking loose ledger plate rivets.

69

Rivet Header

For knife section rivets. Forms round, uniform head.

91

Rivet Shear

For cutting section rivets.

KEY RING SCREWDRIVER

The perfect gift. Hundreds of uses.

No.	Bit Width 3/16"	Length 2 1/4"	Wt. Lbs. .015
400			



ALL PURPOSE SCREWDRIVER SET

Set No. 4

Wt. 1.0 lbs.



No.	Shank Diam. 1/8"	Blade 2 1/2"	Length 5 1/4"
402	Diam. 3/16"	4"	7 1/2"
504	Diam. 1/4"	4"	8"
674	Phillips No. 2	4"	6"
706	5/16" square	6"	10 1/2"

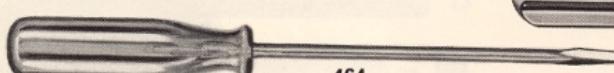
P & C SCREWDRIVERS



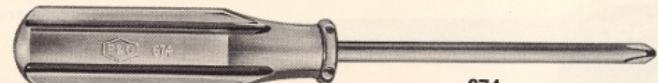
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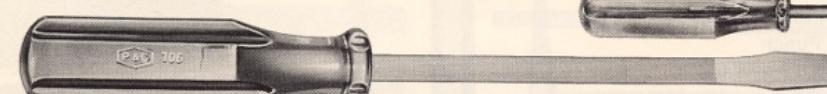
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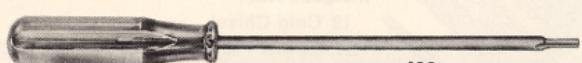
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674



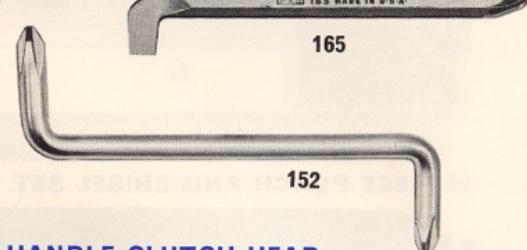
706



483



654



165

152

PLASTIC HANDLE

Handles are shock proof, fire resistant, uniformly clear plastic. Hammer proof, acid proof, they will not absorb grease. Rounded top, deeply fluted, tapered near bottom with knurled tip. All P&C plastic screwdriver handles are Underwriters' Laboratory approved.

ROUND SHANK—STANDARD TIP

No.	Diam.	Blade	Length	Wt. Lbs.
402	1/8"	2 1/2"	5 1/4"	.05
404	1/8"	4 1/2"	7 1/4"	.06
504	3/16"	4"	7 1/2"	.10
508	3/16"	7 1/2"	11"	.13
634	1/4"	4"	8"	.17
736	5/16"	6"	10 1/2"	.30
740	5/16"	10"	14 1/2"	.39
838	3/8"	8"	13"	.47

ROUND SHANK—CABINET TIP

No.	Diam.	Blade	Length	Wt. Lbs.
462	1/8"	2 1/2"	5 1/4"	.05
464	1/8"	4"	7"	.06
564	3/16"	4"	7 1/2"	.10
566	3/16"	6"	9 1/2"	.12
568	3/16"	8"	11 1/2"	.13

SQUARE SHANK—STANDARD TIP

No.	Size	Blade	Length	Wt. Lbs.
442	1/8"	2 1/2"	5 1/4"	.04
544	3/16"	4"	7 1/2"	.11
548	3/16"	7 1/2"	11"	.15
604	1/4"	4"	8"	.15
609	1/4"	9"	13"	.25
706	5/16"	6"	10 1/2"	.33
710	5/16"	10"	14 1/2"	.43
808	3/8"	8"	13"	.55
812	3/8"	12"	19"	.90
816	3/8"	16"	23"	1.05

PHILLIPS PLASTIC HANDLE SCREWDRIVERS

Precision machined, heat treated bits give exact fit in Phillips cross-slot screws.

No.	Phillips Blade Size	Blade	Length	Wt. Lbs.
473	0	2 1/4"	5"	.05
573	1	3"	6 1/2"	.10
674	2	4"	8"	.15
776	3	6"	10 1/2"	.28
878	4	8 1/2"	13 1/2"	.50

REED & PRINCE PLASTIC HANDLE SCREWDRIVERS

No.	Diam.	Blade	Length	Wt. Lbs.
592	3/16"	3"	6 3/8"	.09
693	1/4"	4"	8"	.17
794	5/16"	6"	10 3/8"	.30

PLASTIC HANDLE CLUTCH HEAD

Bits are precisely machined for accurate fit on screws with "Figure 8" or "Butterfly" type heads. Round, chrome plated, torque tested shanks.

No.	Bit Size	Blade Length	Overall Length	Wt. Lbs.
483	5/32"	3 1/8"	7 1/8"	.12
584	3/16"	3 1/8"	7 3/8"	.12
685	1/4"	4 7/8"	8 1/8"	.18
786	5/16"	4 7/8"	9 3/8"	.28

WOOD HANDLE SCREWDRIVERS

SQUARE SHANK—STANDARD TIP

Made of seasoned, selected, clear birch with natural finish. Rounded metal cap protects top of handle. Steel rivet through cap, handle and blade holds them as one. Same tough, steel shank and tempered blade. Steel ferrule protects blade end of handle. Seven sizes for slotted screws.

No.	Size	Blade	Length	Wt. Lbs.
551	3/16"	1 1/2"	4 1/2"	.10
553	3/16"	2 1/2"	6 1/8"	.12
559	3/16"	9"	13 1/4"	.17
654	1/4"	4"	9 1/8"	.22
660	1/4"	9 1/2"	14 1/2"	.30
756	5/16"	6"	12"	.42
760	5/16"	10"	16"	.50

PHILLIPS WOOD HANDLE SCREWDRIVERS

For Phillips head screws.

No.	Phillips Blade Size	Blade	Length	Wt. Lbs.
523	1	3"	6 1/4"	.08
624	2	4"	8 1/8"	.18
726	3	6"	12"	.30
828	4	8"	14 1/2"	.52

DOUBLE END OFFSET

Blades at right angles to each other on opposite sides of handle. Heat treated bits highly polished, over-all rust resistant. Works fine in close quarters.

No.	Stock	Length	Wt. Lbs.
164	1/4"	4 3/4"	.07
165	3/16"	5"	.11
166	3/8"	6 1/8"	.19

For Phillips head screws.

No.	Phillips Blade Size	Overall Length	Wt. Lbs.
152	1 + 2	4 1/4"	.19
153	3 + 4	5 1/2"	.31

ADJUSTABLE WRENCHES P & C

Two distinct types of adjustable wrenches are available in the broad P&C line. One is non-locking and the other is an exclusive patented automatic locking type. Both types are available in a full plated finish and in an industrial finish. Head set at 22½° angle to handle for maximum serviceability. Thumb knurl is assembled by means of a snap-in pin which is easy to disassemble but never works loose. Forged from fine alloy steel.



STANDARD ADJUSTABLE FULL CHROME PLATED

No.	Length	Maximum Opening	Wt. Lbs.
1704	4"	1/2"	.10
1706	6"	3/4"	.23
1708	8"	1"	.54
1710	10"	1 1/8"	.85
1712	12"	1 5/16"	1.56
1715	15"	1 11/16"	3.25
1716	16"	1 7/8"	3.68
1718	18"	2 1/8"	4.75
1720	20"	2 1/2"	6.28

INDUSTRIAL FINISH

1704-S	4"	1/2"	.10
1706-S	6"	3/4"	.23
1708-S	8"	1"	.54
1710-S	10"	1 1/8"	.85
1712-S	12"	1 5/16"	1.6
1715-S	15"	1 11/16"	3.5
1716-S	16"	1 7/8"	3.68
1718-S	18"	2 1/8"	4.75
1720-S	20"	2 1/2"	6.28

CLIK-STOP AUTOMATIC LOCKING FULL CHROME PLATED

1704-L	4"	1/2"	.10
1706-L	6"	3/4"	.23
1708-L	8"	1"	.54
1710-L	10"	1 1/8"	.85
1712-L	12"	1 5/16"	1.56
1715-L	15"	1 11/16"	3.25
1716-L	16"	1 7/8"	3.68
1718-L	18"	2 1/8"	4.75
1720-L	20"	2 1/2"	6.28

INDUSTRIAL FINISH

1704-SL	4"	1/2"	.10
1706-SL	6"	3/4"	.23
1708-SL	8"	1"	.54
1710-SL	10"	1 1/8"	.85
1712-SL	12"	1 5/16"	1.56
1715-SL	15"	1 11/16"	3.25
1716-SL	16"	1 7/8"	3.68
1718-SL	18"	2 1/8"	4.75
1720-SL	20"	2 1/2"	6.28



HEAVY-DUTY TYPE

Rugged design, engineered for light weight and good balance. Features include heat-treated, precision milled teeth, replaceable lower jaw recessed into frame to prevent shearing of pin under extreme loads; pipe sizes on forged hook jaw, I-beam handle of alloy ductile iron, and alloy steel jaws.

No.	Length	Maximum Pipe Size	Wt. Lbs.
1806-HD	6"	3/4"	.45
1808-HD	8"	1"	.85
1810-HD	10"	1 1/2"	1.80
1814-HD	14"	2"	3.5
1818-HD	18"	2 1/2"	5.8
1824-HD	24"	3"	9.6



NORMAL-DUTY STILLSON-PATTERN

Strength far exceeds Government normal-duty specifications. Forged and heat-treated special steel handle of panel I-beam type, strengthened strain points, an easy-turning knurl, and hard, tough jaw teeth that are deep-milled for positive grip.

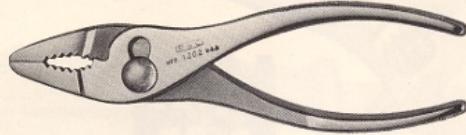
No.	Length	Maximum Pipe Size	Wt. Lbs.
1806	6"	1/2"	.32
1808	8"	3/4"	.65
1810	10"	1"	1.38
1814	14"	1 1/2"	2.6
1818	18"	2"	4.1
1824	24"	2 1/2"	7.3

SEE PRICE LIST FOR INDIVIDUAL REPLACEMENT PARTS FOR ANY TOOL ON THIS PAGE

P & C PLIERS

The right pliers for any job will be found in the P&C line. Here are highest quality tools in many types and sizes. Sharp cutting edges are perfectly matched and designed for hard use. Handles are comfortable. Gripping teeth are properly shaped. With correct leverage these pliers are easy to work, have good balance and the right "feel."

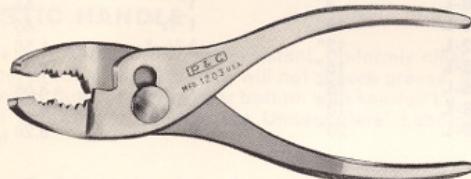
THIN JAW SLIP JOINT PLIERS



No.	Length	Wt. Lbs.
1201	5"	.25
1202	6"	.35

Designed with a slim nose to reach into tight places. Have two jaw-opening adjustments and shear-type wire cutter. Two sizes. Chromed.

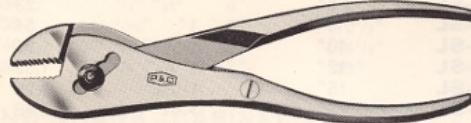
BENT NOSE THIN JAW SLIP JOINT PLIERS



No.	Length	Wt. Lbs.
1203	7"	.43

Thin jaws offset 30° make handy nail or staple puller.

"MULTI-PLIER"



No.	Length	Wt. Lbs.
1234	7 $\frac{3}{4}$ "	.62

"A chest of tools in one," this revolutionary plier is perfect for countless jobs, and is a "must" for all tool users. Patented, three-piece compound-leverage design multiplies applied pressure ten times! Non-slip jaws open to 1 $\frac{1}{4}$ ". Unique diagonal four-position slot gives closer, easier jaw adjustments, reduces wedge action and wear. Alloy steel. Chromed.

MIDGET SLIP JOINT PLIERS



No.	Length	Wt. Lbs.
1235	4 $\frac{1}{2}$ "	.07

Light and convenient to use. Designed for ignition work or other jobs requiring narrow jaws. Has three jaw opening adjustments.

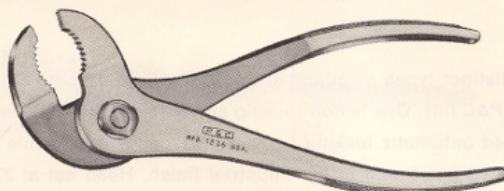
"HANDEZE" PLASTIC GRIPS



Resilient P&C blue plastic tubes slip over plier handles easily to give better, more comfortable grip. Stay on permanently, fit tight. Long wearing, rugged. Finest quality plastic. Unaffected by oil and grease. Resist tear and damage. 3 sizes fit practically all pliers.

No.	Size	Length
1200S	Small	3"
1200M	Medium	4"
1200L	Large	5"

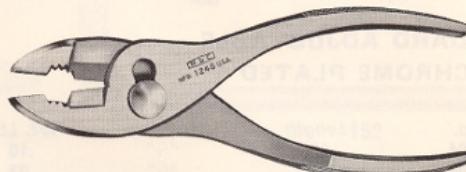
PARROT NOSE WRENCH PLIERS



No.	Length	Wt. Lbs.
1236	6 $\frac{1}{4}$ "	.42
1238	7 $\frac{1}{4}$ "	.59

Combination plier and pipe wrench, with 75° offset nose. Noted for grip. Ideal for pipe and tubing work. Quality chrome plate.

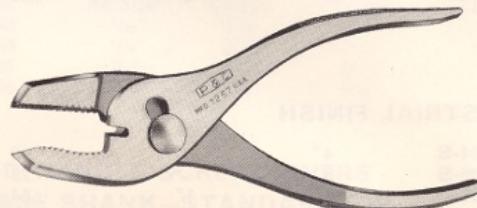
COMBINATION SLIP JOINT CUTTING PLIERS



No.	Length	Wt. Lbs.
1246	6"	.49

All the features of slip joint pliers plus durable, induction hardened side cutter. High quality alloy steel.

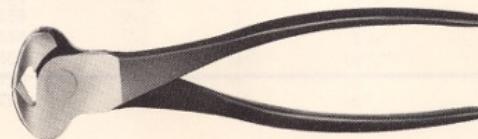
HEAVY DUTY UNIVERSAL PLIERS



No.	Length	Wt. Lbs.
1257	7"	.58

One jaw curved to grip round or irregular objects, other jaw straight with groove for gripping wire, pins or nails. Deep groove for positive cutting.

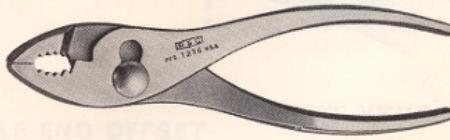
END CUTTING NIPPER



No.	Length	Wt. Lbs.
1272	7"	.60

Take a sharp, clean cut close to the surface on wires, bolts, rivets. Powerful leverage. Induction-hardened cutting edges.

REGULAR SLIP JOINT PLIERS



No.	Length	Wt. Lbs.
1275	5"	.26
1276	6"	.36
1278	8"	.50
1280	10"	.88

General utility pliers. Leaders for design and service. Have two jaw-opening adjustments and a shear-type wire cutter. Four sizes. Chrome plate. Flat surfaces highly polished.

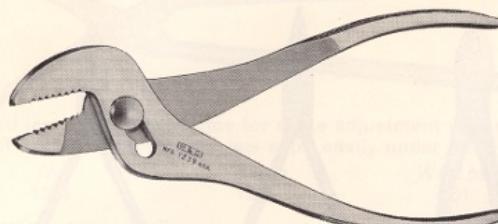


Economy Pliers

No.	Length	Wt. Lbs.
USA-5	5"	.26
USA-6	6"	.36
USA-8	8"	.50
USA-10	10"	.88

Same as above except all-over sand finish.

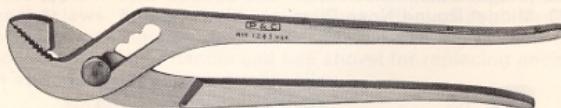
WRENCH PLIERS



No. 1239 Length 8" Wt. .54 lbs.

Long slim 20° offset nose and three jaw-opening adjustments. Jaws hold objects in front of center, giving a powerful gripping action. Quality chrome plate.

GENERAL UTILITY PLIERS

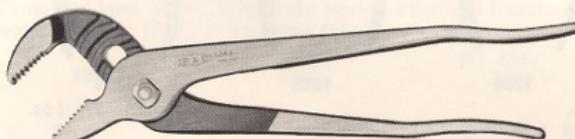


No. 1240 Heavy Length 9" Wt. .58 lbs.
No. 1241 Light Length 9½" Wt. .58 lbs.

Commonly known as Water Pump Pliers.

All-purpose, with five jaw-opening adjustments. Teeth are shaped as in a pipe wrench, insuring positive grip on round objects. Chromed.

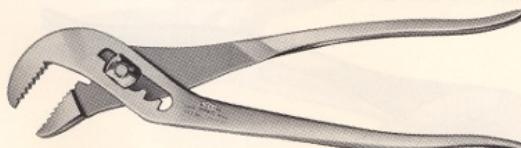
POWER TRACK PLIERS



No. 1242 Length 7½" Wt. .45 lbs.
No. 1243 Length 10" Wt. .75 lbs.

A curved tongue-and-groove joint holds jaws securely in any desired position and takes strain off bolt. Five grooves provide wide opening range for handling hundreds of jobs. Quality chrome plate.

SELF-ENERGIZING GEAR-LOCK PLIERS



No. 1245 Length 9½" Wt. .75 lbs.

In this revolutionary pliers bolt slides into slanting gear-type slots. As handles are squeezed, bolt locks in chosen slot and jaw pressure increases. Design eliminates slipping, prevents binding, and permits smooth, visible adjustments in five slots. Other features include slim jaws, 1¾" opening, sharp pipe wrench teeth, and powerful no-bend cutter.

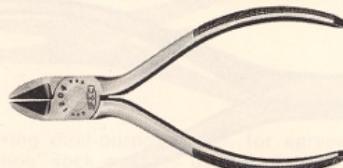
PLUMBER'S SPECIAL PLIERS



1248S (Smooth jaw) Length 11¼" Wt. .92 lbs.
1248P (Pipe jaw) Length 11¼" Wt. .97 lbs.

Smooth jaw—no mar pipe wrench teeth. For use on plated plumbing fixtures. 1248P has milled pipe jaws. Opens to 2½". Microgroove adjustment permits parallel alignment of jaws.

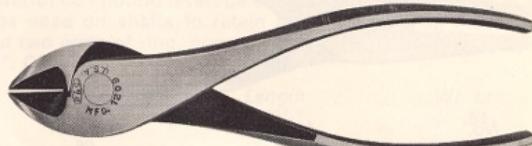
DIAGONAL CUTTING PLIERS



No. 1204 Length 4½" Wt. .20 lbs.
No. 1206 Length 6" Wt. .37 lbs.
No. 1207 Length 7½" Wt. .54 lbs.

Thin, narrow jaws work easily in congested places. Useful for switchboard, telephone, ignition, electronic and electrical work. Induction-hardened cutting edges. High quality alloy steel.

HEAVY DUTY DIAGONAL CUTTING PLIERS



No. 1209 Length 7" Wt. .49 lbs.

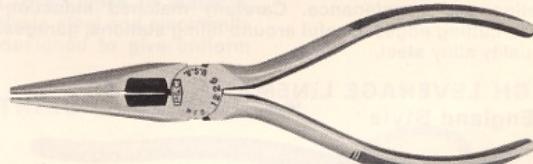
Tremendous leverage from short, powerful jaws set very close to solidly riveted joint. Perfect alignment, leverage, and balance for difficult cutting jobs.

NEEDLE NOSE PLIERS

No. 1222 Length 6¾" Wt. .28 lbs.

Has very thin nose for getting into places with restricted clearance.

NEEDLE NOSE WITH SIDE CUTTER



No. 1226 Length 6¾" Wt. .28 lbs.

Ideal combination for electronic, telephone and other electrical work. A good long-reach plier for many types of jobs. High quality alloy.

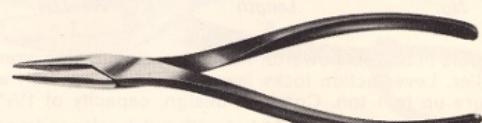
CURVED THIN NEEDLE NOSE PLIERS



No. 1225 Length 6" Wt. .28 lbs.

Same as No. 1222 plier, except nose is bent at 79° angle. Handy for reaching around objects.

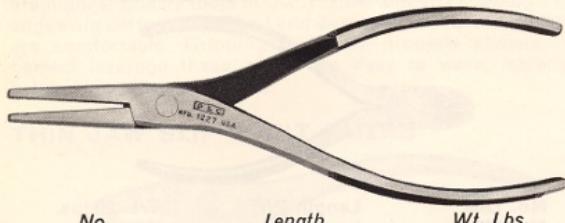
LONG REACH NEEDLE NOSE PLIERS



No. 1228 Length 7¾" Wt. .36 lbs.

For drawing and looping wire, forming terminals, working in close quarters, and reaching way back into assemblies. Extra length is useful for repair and assembly of instruments, TV sets and other electrical equipment. Diamond knurled jaws.

DUCK BILL PLIERS



No. 1227 Length 7 $\frac{1}{4}$ " Wt. Lbs. .37

Tapered jaws 1 $\frac{1}{2}$ " and long handles give powerful leverage. Deeply milled oil tempered teeth give extra grip. Solid riveted joint.

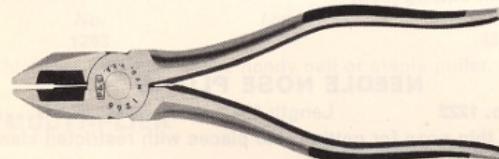
LONG THIN NOSE TELEPHONE PLIERS



No. 1260 Length 6" Wt. Lbs. .25

Excellent for manipulating wire and wiring. Heavy, flush riveted joint and shear-type wire cutter.

LINEMAN'S SIDE CUTTING PLIERS

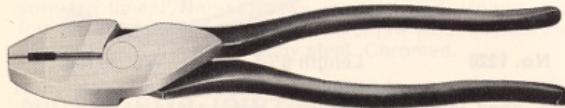


No. 1266 Length 6 $\frac{1}{2}$ " Wt. Lbs. .43
1268 8 $\frac{1}{2}$ " .81

For utility linemen's work, wiring and electrical equipment installation and maintenance. Carefully matched induction-hardened cutting edges. Useful around filling stations, garages. High quality alloy steel.

9" HIGH LEVERAGE LINEMAN'S PLIERS

New England Style



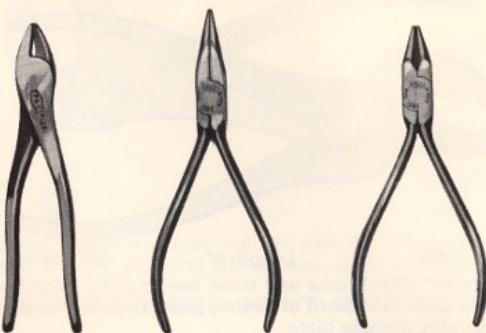
No. 1269 Length 9" Wt. Lbs. 1.10

You get up to 50% more leverage than with standard 8-inch pliers because the rivet is closer to the cutting edges. Ideal for cutting No. 8 and other large wires used for electric ranges, air conditioners, clothes dryers, water heaters.

Tool Kit No. 5

- No. 1706 6" Adjustable Wrench.
- No. 1276 6" Slip-joint Combination Pliers.
- No. 504 Plastic Handle Screwdriver with 4" blade.
- Plastic Box. 8 $\frac{1}{4}$ " x 4 $\frac{1}{4}$ " x 1 $\frac{1}{2}$ ". Wt. 1 lb.

MIDGET PLIERS

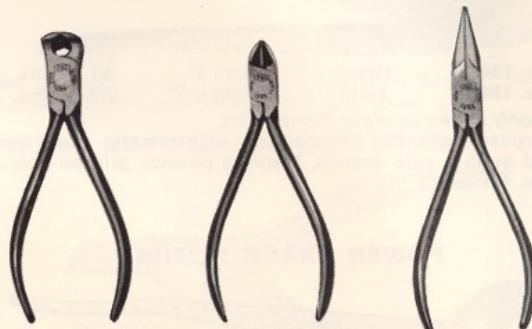


No.	Length	Wt. Lbs.
1281	4 $\frac{1}{2}$ "	.09
1282	4 $\frac{3}{4}$ "	.10
1283	4 $\frac{1}{2}$ "	.10

1281 Midget Straight Nose Plier

1282 Midget Chain Nose Plier

1283 Midget Round Nose Plier



No.	Length	Wt. Lbs.
1284	4"	.10
1285	4"	.08
1286	4 $\frac{3}{4}$ "	.09

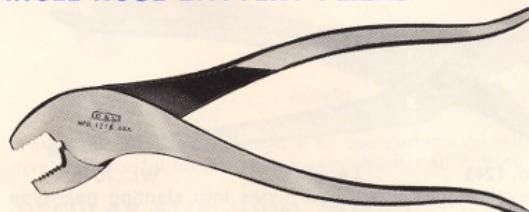
1284 Midget End Cutting Nipper

1285 Midget Diagonal Cutting Plier

1286 Midget Flat Nose Plier

These matched pliers, designed for television and radio service men, electronics and communications technicians, automotive and aviation mechanics, hobbyists and many others, speed precision work on small objects in tight places. Comfortable, wide-opening handles provide high leverage, fit snugly into the hand, and have good "feel."

ANGLE NOSE BATTERY PLIERS



No. 1218 Length 8" Wt. Lbs. .49

Terminal nuts manipulate easily with these thin, 30° offset jaws and long, hand fitting handles. Jaws are shaped for maximum grip regardless of nut condition. Riveted joint for extra strength.

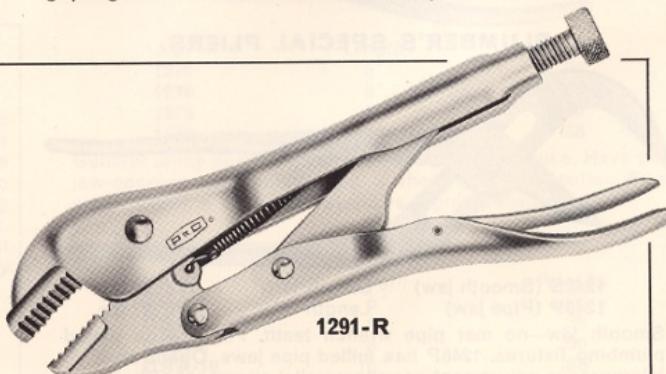
LEVER WRENCH PLIERS

No. 1291 Length 8" Wt. Lbs. 1

Four tools in one—a powerful hand vise, clamp, pipe wrench and plier. Lever action locks jaws in holding position with pressure up to 1 ton. Compact design, capacity of 1 $\frac{1}{2}$ ".

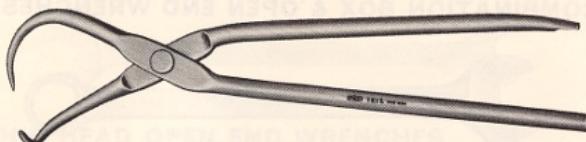
No. 1291-R Same as 1291 but with quick release lever.

No. 1292-R Length 10" Wt. 1.12 lbs.
Same as above but with curved jaws for gripping pipe and other round objects.



PLIERS P & C

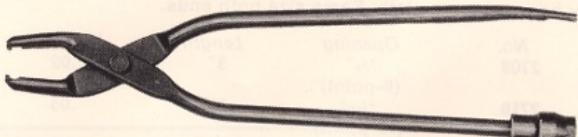
BRAKE SPRING PLIERS



Curved jaw clears brake shoe for close adjustment with center line of spring. Thin hooked jaw slips easily under spring.

No.	Length	Wt. Lbs.
1215	12"	.61

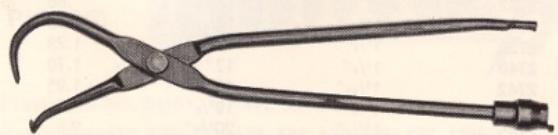
BENDIX BRAKE PLIERS



Three tools in one! Speeds and simplifies Bendix brake repairs. Special jaws remove hold down cups. Replaceable Bendix Socket on one handle fits over anchor pin and lug lifts off anchor springs. Other handle end has shovel for replacing anchor pin springs. Tough, high quality alloy.

No.	Length	Wt. Lbs.
1216	11 1/4"	.62

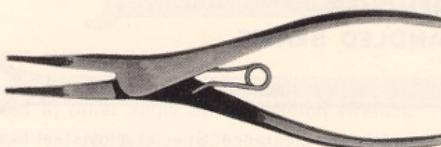
ALL-PURPOSE BRAKE PLIERS



Combines jaws of No. 1215 Brake Spring Plier and handle end features of No. 1216 Bendix Brake Plier.

No.	Length	Wt. Lbs.
1217	13 1/2"	.78

LOCK RING & "HORSESHOE" WASHER PLIERS



A money-saving dual-purpose plier, for spreading both soft iron "horseshoe" lock washers used on brakes and tempered steel lock rings used on shafting to locate bearings, gears, etc.

No.	Length	Wt. Lbs.
1250	8 1/4"	.40

PARALLEL JAW LOCK RING PLIERS



Powerful compound leverage simplifies removal of lock or snap rings used on shafts to retain bearings. Jaw tip indentations hold two ends of ring, prevents breakage. Outside Jaw Spread 1 1/4". Chromed.

No.	Length	Wt. Lbs.
1251	9 1/2"	.54

CORBIN HOSE CLAMP PLIERS



For installation and repair of Corbin spring tension clamps, used on hose connections for car water pumps and heaters. For appliances and other equipment using Corbin clamps. Two gripping positions engage ears, prevent hazard of clamp flying out of the plier. Chrome plate.

No.	Length	Wt. Lbs.
1252-A	7 3/4"	.50

SNIPS P & C

Designed to give fast, smooth cuts in all types of material. Blades hot drop forged of special analysis steel and electrically heat treated and tempered. Blades designed to give uniform shearing.

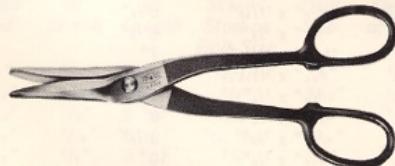
MULTIPLE-LEVERAGE



Aviation type straight cut, left cut and right cut multiple-leverage—for intricate cutting. Compound action greatly increases power.

No.	Overall Length	Length of Cut	Wt. Lbs.
1303-L (Left)	9 1/4"	1 1/16"	.70
1303-R (Right)	9 3/4"	1 7/16"	.70
1303-S (Straight)	9 3/4"	1 5/8"	.72

DUCKBILL OR CIRCULAR



Duckbill or circular snips—for cutting circles and other odd designs. Blades hollow ground for better work.

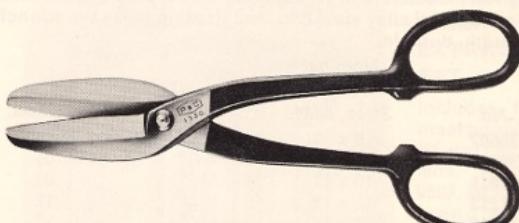
No.	Overall Length	Length of Cut	Wt. Lbs.
1307	7"	1 3/4"	.38
1310	10"	2 1/2"	.84
1312	12"	3"	1.46



Straight or regular snips—handy for shops, farms, homes. Streamlined with graceful curves, rounded edges.

No.	Overall Length	Length of Cut	Wt. Lbs.
1317	7"	1 3/4"	.38
1320	10"	2 1/2"	.86
1322	12"	3"	1.50

COMBINATION PATTERN



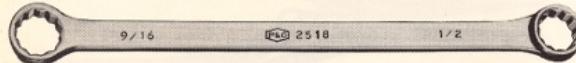
Combination snips—for straight and moderately irregular cuts.

No.	Overall Length	Length of Cut	Wt. Lbs.
1330	10"	2 1/2"	.88
1332	12"	3"	1.46



12-POINT BOX AND OPEN END WRENCHES

BOX WRENCHES— FLAT HANDLED SERIES



Thin walls provide extra clearance. Special alloy steel has high tensile strength. Box openings chamfered to guide wrench onto nut, bolt heads. Once on, it cannot slip or spread, needs only 15° swing to turn a nut. Heads offset 15° from shank to provide knuckle clearance. Heavily chrome plated.

No.	Opening Size	Length	Wt. Lbs.
2512	5/16" x 3/8"	6"	.06
2514	3/8" x 7/16"	6 1/2"	.10
2516	7/16" x 1/2"	7 1/2"	.15
2518	1/2" x 9/16"	8"	.20
2520	9/16" x 5/8"	8 1/2"	.25
2522	5/8" x 11/16"	9 1/2"	.35
2524	5/8" x 3/4"	9 1/2"	.40
2525	11/16" x 3/4"	11"	.50
2528	3/4" x 7/8"	13 1/8"	.63
2529	13/16" x 7/8"	13 7/8"	.68
2532	15/16" x 1"	15 1/2"	.90
2536	1 1/16" x 1 1/8"	17 1/4"	1.30
2540	1 1/16" x 1 1/4"	18 1/4"	1.38

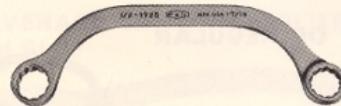
RATCHETING BOX WRENCHES



User can safely loosen or tighten a nut and then fast run the nut without lifting wrench or switching to another tool. Turning over wrench reverses direction. Laminated construction adds strength and reduces weight. Chrome plated.

No.	Opening Size	Type of Opening	Overall Length	Wt. Lbs.
1190	7/16" x 1 1/2"	6-point	5"	.30
1191	1/4" x 5/16"	6-point	4 1/4"	.12
1192	3/8" x 7/16"	6-point	5 1/2"	.20
1193	1/2" x 9/16"	6-point	6 3/4"	.40
1194	5/8" x 11/16"	12-point	8"	.66
1195	3/4" x 7/8"	12-point	9 1/4"	.79
1196	5/8" x 3/4"	12-point	8 1/16"	.64

OBSTRUCTION WRENCHES 12-POINT BOX



Works around corners. Handy for removing, replacing many starter motors.

No.	Opening Size	Length	Wt. Lbs.
1725	7/16" x 1 1/2"	5 3/4"	.12
1730	9/16" x 5/8"	6 5/8"	.20
1731	5/8" x 3/4"	7 5/8"	.33

METRIC-SIZE OPEN END WRENCHES



Ten wrenches give you accurately machined openings from 6 through 24 millimeters in 1-millimeter steps, plus a 26-millimeter opening. Special alloy steel and heat treating make the wrenches extra tough, durable.

No.	Nominal Opening	Sizes, MM.	Length	Wt. Lbs.
30607	6 x 7	4 1/2"	.04	
30809	8 x 9	4 7/8"	.06	
31011	10 x 11	5 1/2"	.07	
31213	12 x 13	5 5/8"	.12	
31415	14 x 15	6 3/4"	.23	
31617	16 x 17	8 7/8"	.30	
31819	18 x 19	8 9/16"	.38	
32022	20 x 22	10"	.60	
32123	21 x 23	10 1/2"	.56	
32426	24 x 26	11 1/8"	.78	

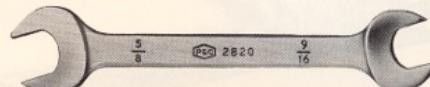
COMBINATION BOX & OPEN END WRENCHES



Box end offset 15° for knuckle clearance, 12-point design turns hex nut with only 15° swing. Open end at 15° angle to shank needs only 30° swing. Long handles give extra leverage, have rounded edges. Drop forged from special analysis alloy steel, oil tempered. Polished heads, satin finish handles protected by heavy chrome plate. Same size both ends.

No.	Opening	Length	Wt. Lbs.
2708	1/4"	3"	.02
2710	(6-point) 5/16"	3 3/8"	.05
2712	(12-point) 7/16"	4 1/2"	.07
2714	7/16"	5 1/2"	.10
2716	1 1/8"	6 1/4"	.14
2718	9/16"	7"	.20
2720	5/8"	7 3/4"	.26
2722	11/16"	8 3/8"	.32
2724	3/4"	9 1/8"	.41
2726	13/16"	10 3/8"	.50
2728	7/8"	11 1/4"	.59
2730	15/16"	12 1/4"	.62
2732	1"	13 3/8"	.86
2734	1 1/16"	14 1/2"	1.03
2736	1 1/8"	15 1/2"	1.23
2740	1 1/4"	17"	1.70
2742	1 5/16"	18"	1.95
2744	1 3/8"	19 3/8"	2.2
2746	1 7/16"	20 3/8"	2.5
2748	1 1/2"	21 3/4"	2.9
2752	1 5/8"	23"	3.5
2754	1 11/16"	23"	3.4
2756	1 3/4"	26"	5.8
2758	1 13/16"	26"	5.7
2760	1 7/8"	26"	5.6
2764	2"	26"	5.5

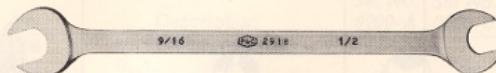
OPEN END WRENCHES



Drop forged from special analysis alloy steel with thin, tapered jaws, thin, round-edged handles. Jaw openings precisely milled for positive fit without slipping. The 15° jaw angle, by "flopping" wrench, allows continuous turning of hex nut in 30° swing.

No.	Opening	Length	Wt. Lbs.
2808	3/16" X 1 1/2"	4 1/8"	.02
2810	1/4" X 5/16"	3 1/2"	.05
2812	5/16" X 3/8"	4"	.06
2814	3/8" X 7/16"	4 1/2"	.08
2816	7/16" X 1 1/2"	5"	.11
2818	1/2" X 9/16"	5 1/2"	.15
2819	1/2" X 19/32"	6 3/8"	.15
2820	9/16" X 5/8"	6 1/2"	.21
2821	19/32" X 11/16"	7"	.26
2822	5/8" X 11/16"	7 1/2"	.28
2824	5/8" X 3/4"	8 1/4"	.30
2825	11/16" X 3/4"	9"	.33
2828	3/4" X 7/8"	9 1/2"	.46
2829	13/16" X 7/8"	10"	.59
2831	7/8" X 1 1/16"	11 1/8"	.70
2832	15/16" X 1"	11 1/4"	.85
2836	1 1/16" X 1 1/8"	13 7/8"	1.30
2840	1 1/16" X 1 1/4"	14 1/4"	1.50
2842	1 1/4" X 1 5/16"	16 1/4"	2.1
2846	1 3/8" X 1 7/16"	17 3/4"	2.4
2852	1 1/2" X 1 5/8"	19 1/2"	3.8

OPEN END WRENCHES



THIN HEAD OPEN END WRENCHES

Especially designed for tappet work. Special alloy steel gives extra strength to very thin, tapered jaws. Long handles keep hands away from hot manifolds, increase leverage.

No.	Opening Sizes	Length	Wt. Lbs.
2916	7/16" x 1/2"	9"	.18
2918	1/2" x 9/16"	9"	.18



MIDGET WRENCHES

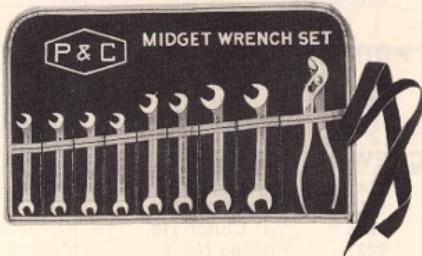
One jaw at 15°, other at 60° on each wrench. Opening sizes duplicated at other angle on companion wrench.

No.	15° End	60° End	Length	Wt. Lbs.
130	13/64"	15/64"	3"	.02
131	15/64"	13/64"	3"	.02
132	7/32"	1/4"	3"	.02
133	1/4"	7/32"	3"	.02
134	9/32"	5/16"	3 1/2"	.03
135	5/16"	9/32"	3 1/2"	.03
136	11/32"	3/8"	3 3/4"	.05
137	3/8"	11/32"	3 3/4"	.05



WRENCH SETS

**NO. 140-D
MIDGET
WRENCH
SET
(9 PIECES)**



In Plastic Kit No. 2416 Wt. .60 lbs.

Includes Nos. 130, 131, 132, 133, 134, 135, 136, 137, 1235.

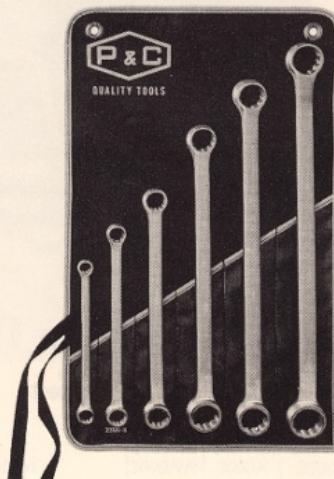
**NO. 2700-B
COMBINATION
WRENCH SET
(6 PIECES)**

Includes Nos.
2714, 2716, 2718,
2720, 2722, 2724



In Plastic Kit No. 2427
Wt. 1.7 lbs.

**NO. 2500-B
BOX WRENCH SET
(6 PIECES)**



Includes Nos.
2514, 2518, 2522, 2528,
2529, 2532

In Plastic Kit No. 2425
Wt. 3.3 lbs.

**NO. 2700-F COMBINATION WRENCH SET
(15 PIECES)**

Not illustrated. Nos. 2710 to 2740 inclusive,
in Plastic Kit No. 2413. Wt. 10 lbs.

**NO. 2800-B
OPEN END
WRENCH SET
(6 PIECES)**

Includes Nos.
2812, 2816, 2820,
2825, 2829, 2832



In Plastic Kit No. 2428
Wt. 2.5 lbs.

SCREW AND PIPE EXTRACTORS

The fastest type obtainable for removing broken screws, studs, bolts, pipe, fittings, etc. Vastly superior for several reasons: (1) Only three quick steps required. (2) Even if hole is drilled clear through, extractor will not chew up object. (3) Sharp edges bite positively. (4) Gradual taper of flutes prevents wedging and binding. (5) Objects with right or left threads may be removed. (6) Special alloy steel provides long life.

No.	Size of Small End	Size of Shank	Over-all Length	U.S.S. Screw, Stud or Bolt Size	Drill Size	Minim. Depth of Hole	Pipe Size	Wt., Lbs.
9521	1/8"	3/16"	2 5/8"	1/4, 5/16"	1/8"	3/8"	—	.01
9522	11/64"	3/16"	2 5/8"	3/8"	3/16"	1/2"	—	.02
+9523	13/64"	1/4"	2 7/8"	7/16"	15/64"	1/2"	1/8"	.04
9524	19/64"	3/8"	3"	1/2, 5/16"	5/16"	1/2"	1/4"	.06
9525	11/32"	3/8"	3 1/4"	5/8"	3/8"	5/8"	3/8"	.10
9525B	27/64"	7/16"	3 7/8"	3/4"	15/32"	11/16"	—	.17
9526	1/2"	1/2"	4 1/2"	7/8"	9/16"	11/16"	1/2"	.23
9527	19/32"	5/8"	4 7/8"	1, 1 1/8"	21/32"	3/4"	1/2"	.40
9528	23/32"	5 3/8"	5 3/8"	1 1/4, 1 3/8"	13/16"	3/4"	3/4"	.65
9529	31/32"	1"	5 1/2"	1 1/2"	11/16"	3/4"	1"	1.12



**NO. 9500-A
SCREW
EXTRACTOR
SET**

Includes the five most popular sizes of extractors—Nos. 9521, 9522, 9523, 9524 and 9525—and a handy, vinyl plastic kit for making all of the extractors quickly accessible. Wt., .26 lb.

†For Broken Alemite Fittings.

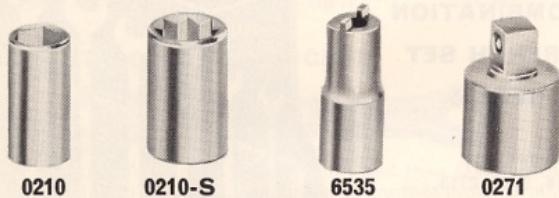
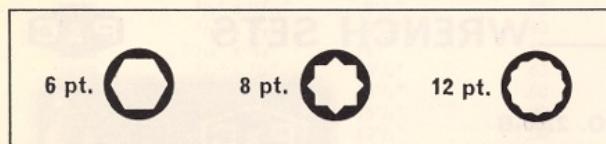


1/4"

SQUARE DRIVE SOCKETS, HANDLES AND ATTACHMENTS

Special alloy steel, advanced design and precision machining of P&C sockets provide tremendous strength, light weight and maximum clearance. The strong, light, thin walls are extremely tough. Chamfered openings slip on nuts and bolts quickly, easily. Heavy chrome plate resists rust and corrosion. Sizes are permanently marked on each one.

P&C attachments are scientifically balanced and accurately forged from the same strong alloy steel. Friction ball on all square drive attachments holds sockets securely. P&C sockets and attachments are the very best obtainable and will provide years and years of dependable, low-cost service.



6 POINT SOCKETS (ALL 7/8" LENGTH)

No.	Size	Wt. lbs.	No.	Size	Wt. lbs.
0206	5/16"	.02	0210	5/16"	.03
0207	7/32"	.02	0211	11/32"	.03
0208	1/4"	.02	0212	3/8"	.04
0209	9/32"	.03	0214	7/16"	.05

8 POINT SOCKETS

No.	Size	Length	Wt. lbs.
0208-S	1/4"	7/8"	.02
0210-S	5/16"	7/8"	.04
0212-S	3/8"	7/8"	.05

12 POINT SOCKET

No.	Size	Length	Wt. lbs.
0216	1/2"	7/8"	.05

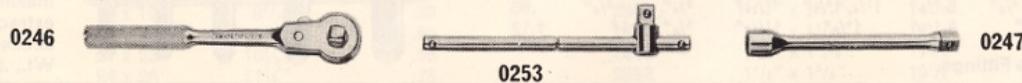
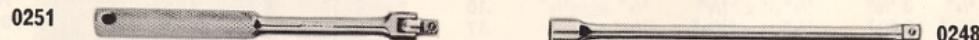
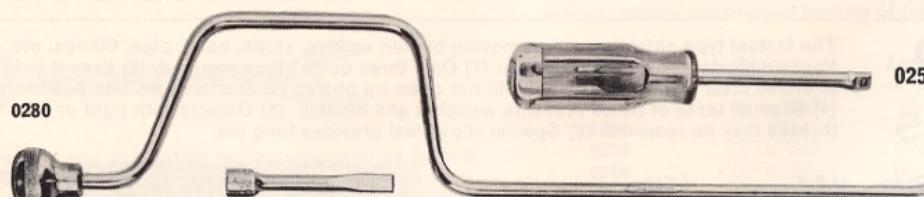
SCREWDRIVERS

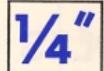
No.	Bit Size	Length	Wt. lbs.
0235	5/32" Clutch Hd.	1 1/2"	.04
0236	3/16" Clutch Hd.	1 1/2"	.04
0237	Phillips No. 1	1"	.02
0238	Phillips No. 2	1"	.02
0237-L	Phillips No. 1	2"	.03
0238-L	Phillips No. 2	2"	.03
0244	3/16" x .030"	1 3/4"	.03
0245	1/4" x .030"	3"	.06
6535	Two Prong Special Driver For Chev. Distributor	1 1/16"	.02

HANDLES AND ATTACHMENTS

No.	Description	Length	Weight	No.	Description	Length	Weight
*0246	Reversible Ratchet	4 1/2"	.18	0263	Extension	14"	.15
0247	Extension	3 1/2"	.06	0271	Adaptor, 3/8" F., 1/4" M.	15/16"	.03
0248	Extension	6"	.10	0272	Adaptor, 1/4" F., 3/8" M.	15/16"	.05
0251	Hinge Handle	5 1/2"	.16	0280	Speeder Handle	16"	.40
0252	Universal Joint	1 1/4"	.03				
0253	Sliding T-Handle	4 1/2"	.08				
0259	Spinner Handle	6"	.14				

*SEE PRICE LIST FOR REPLACEMENT PARTS.





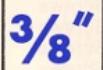
1/4" SQUARE DRIVE MIDGET SOCKET SETS



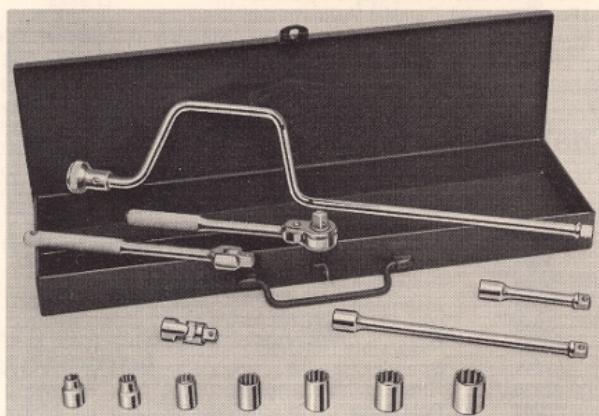
No.	Description	Set No. 0200-A	Set No. 0200-C	Set No. 0200-F
0206	3/16" 6 Point Socket			X
0207	7/32" "	X	X	X
0208	1/4"	X	X	X
0209	9/32" "	X	X	X
0210	5/16" "	X	X	X
0211	11/32" "	X	X	X
0212	3/8"	X	X	X
0214	7/16" "	X	X	X
0208-S	1/4" 8 Point Socket	X	X	X
0210-S	5/16" "	X	X	X
0212-S	3/8" "			X
0246	Ratchet		X	X
0247	3 1/8" Extension			X
0248	6" Extension			X
0251	Hinge Handle			X
0253	Sliding T-Handle	X	X	
0259	Spinner Handle	X	X	
4795	Metal Box 6 1/4" x 3" x 1 1/8"	X	X	X
Weight, lbs.		1	1.16	1.9



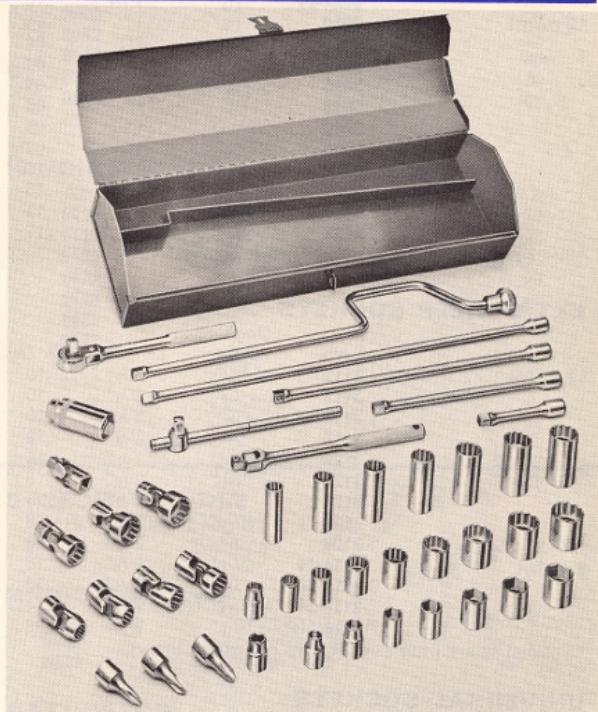
0200-A



3/8" SQUARE DRIVE SOCKET SETS



3000-K



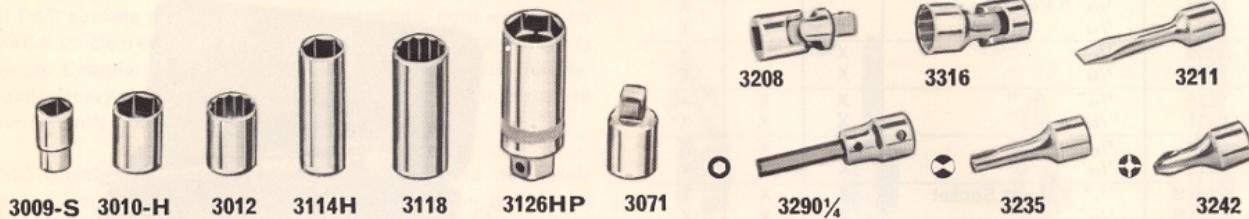
No.	Description	Set No. 3000NR	Set No. 3000K	Set No. 3000F
3009-S	9/32" 4 Point Socket			X
3010-H	5/16" 6 Point Socket			X
3012-H	3/8" "			X
3014-H	7/16" "			X
3016-H	1/2" "			X
3018-H	9/16" "			X
3020-H	5/8" "			X
3022-H	11/16" "			X
3012	3/8" 12 Point Socket	X	X	X
3014	7/16" "	X	X	X
3016	1/2" "	X	X	X
3018	9/16" "	X	X	X
3020	5/8" "	X	X	X
3022	11/16" "	X	X	X
3024	3/4" "	X	X	X
3026	13/16" "			X
3028	7/8" "			X
3114	7/16" 12 Point Deep Socket			X
3116	1/2" "			X
3118	9/16" "			X
3120	5/8" "			X
3122	11/16" "			X
3124	3/4" "			X

No.	Description	Set No. 3000NR	Set No. 3000K	Set No. 3000F
3126	13/16" 12 Point Deep Socket			X
3126-HP	13/16" 6 Point Spark Plug Socket			X
3202	3 1/2" Extension	X	X	X
3203	8" "	X	X	X
3205	12 1/2" "			X
3206	18 1/2" "			X
3208	Universal Joint		X	X
3209	Ratchet	X	X	X
3215	Speeder Handle		X	X
3230	Hinge Handle	X	X	X
3241	No. 2 Phillips Screwdriver			X
3242	No. 3 Phillips Screwdriver			X
3243	No. 4 Phillips Screwdriver			X
3260	Sliding T-Handle			X
3312	3/8" Universal Socket			X
3314	7/16" "			X
3316	1/2" "			X
3318	9/16" "			X
3320	5/8" "			X
3322	11/16" "			X
3324	3/4" "			X
5496	Metal Box, 18 1/2" x 5 3/4" x 3 1/2"			X
5295	Metal Box, 17 1/4" x 5 1/4" x 1 1/2"	X		X
Weight, lbs.		3.7	4.9	12.5



3/8"

SQUARE DRIVE SOCKETS, HANDLES AND ATTACHMENTS



SOCKETS

	No.	Opening Size	Length	Wt. Lbs.
Square*	3009-S	9/32"	15/16"	.04
6 point Hex	3010-H	1"	1"	.04
	3012-H	3/8"	1"	.04
	3014-H	7/16"	1"	.04
	3016-H	1/2"	1"	.04
	3018-H	9/16"	1"	.05
	3020-H	5/8"	1"	.07
	3022-H	11/16"	11/16"	.10
12 point	3010	5/16"	1"	.04
	3012	3/8"	1"	.04
	3014	7/16"	1"	.04
	3016	1/2"	1"	.04
	3018	9/16"	1"	.05
	3019	13/32"	1"	.06
	3020	5/8"	1"	.07
	3022	11/16"	11/16"	.10
	3024	3/4"	11/16"	.13
	3026	13/16"	13/16"	.15
	3028	7/8"	13/16"	.17

*Fits drain plug on Dynaflow torque converter.

EXTRA DEEP SOCKETS

	No.	Opening Size	Length	Wt. Lbs.
12 point	3112	3/8"	2 1/8"	.10
	3114	7/16"	2 1/8"	.10
	3116	1/2"	2 1/8"	.10
	3118	9/16"	2 1/8"	.12
	3120	5/8"	2 1/8"	.15
	3122	11/16"	2 1/8"	.18
	3124	3/4"	2 1/8"	.20
	3126	13/16"	2 1/8"	.28
	3128	7/8"	2 3/8"	.28
6 point	3114-H	7/16"	2 1/8"	.10
	3116-H	1/2"	2 1/8"	.12
	3118-H	9/16"	2 1/8"	.14
	*3126-HP	13/16"	2 1/2"	.28

*Special spark plug socket with neoprene insert.

UNIVERSAL SOCKETS

	No.	Opening Size	Length	Wt. Lbs.
12 point	3312	3/8"	1 1/2"	.10
	3314	7/16"	1 1/2"	.10
	3316	1/2"	1 1/2"	.10
	3318	9/16"	1 9/16"	.10
	3320	5/8"	1 3/4"	.12
	3322	11/16"	1 7/8"	.12
	3324	3/4"	2"	.15

SCREWDRIVER SOCKETS

No.	Size	Description	Length	Wt. Lbs.
3211	5/16"	Regular Type	2 1/2"	.08
3235	1/4"	Clutch Head	2"	.08
3236	5/16"	Clutch Head	2"	.08
3237	3/8"	Clutch Head	2"	.08
3241	No. 2	Phillips	1 5/8"	.05
3242	No. 3	Phillips	1 5/8"	.05
3243	No. 4	Phillips	1 5/8"	.06
3290 1/8"	1/8"	Hollow Head Screws	2"	.05
3290 5/32"	5/32"	Hollow Head Screws	2"	.06
3290 3/16"	3/16"	Hollow Head Screws	2"	.06
†3290 3/16" L	3/16"	Hollow Head Screws	3"	.07
3290 7/32"	7/32"	Hollow Head Screws	2 1/8"	.08
3290 1/4"	1/4"	Hollow Head Screws	2 1/8"	.09
‡3290 1/4" L	1/4"	Hollow Head Screws	2 5/8"	.10
3290 3/16"	3/16"	Hollow Head Screws	2 1/4"	.11
3290 1/8"	3/8"	Hollow Head Screws	2 1/4"	.13
§3290 1/8" L	3/8"	Hollow Head Screws	3 15/16"	.14

†For GM Automatic Transmissions.

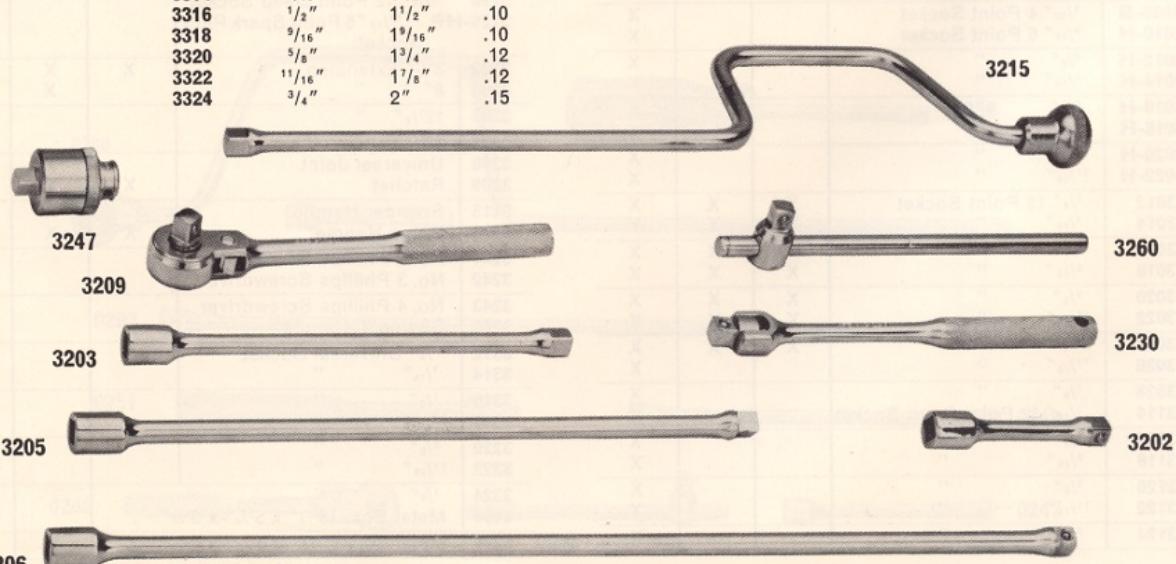
‡For Chevrolet Camber Adjustment.

§For Ford brakes and Ford, Edsel, Mercury differential filler plugs.

HANDLES AND ATTACHMENTS

No.	Description	Length	Wt. Lbs.
3071	Adaptor, 1/2" F., 3/8" M	1 3/8"	.13
3072	Adaptor, 3/8" F., 1/2" M	1 1/8"	.10
3202	Extension	3 1/2"	.13
3203	Extension	8"	.25
3205	Extension	12 1/2"	.38
3206	Extension	18 1/2"	.55
3208	Universal Joint	1 3/4"	.10
*3209	Reversible Ratchet	7 1/4"	.50
3215	Speeder Handle	18"	.83
3230	Hinge Handle	7 1/2"	.35
*3247	Ratcheting	2"	.33
3260	Sliding T-Handle	7 1/2"	.35

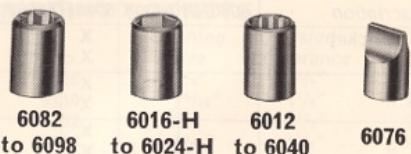
*See price list for individual replacement parts.



1/2"

SQUARE DRIVE SOCKETS, HANDLES AND ATTACHMENTS

P & C

**12 POINT SOCKETS**

No.	Opening Size	Length	Wt. lbs.
6012	3/8"	1 3/8"	.10
6014	7/16"	1 3/8"	.10
6016	1/2"	1 3/8"	.10
6018	9/16"	1 3/8"	.10
6019	19/32"	1 3/8"	.13
6020	5/8"	1 3/8"	.13
6021	21/32"	1 3/8"	.13
6022	11/16"	1 3/8"	.13
6024	3/4"	1 3/8"	.15
6025	25/32"	1 3/8"	.18
6026	13/16"	1 3/8"	.20
6028	7/8"	1 3/8"	.23
6029	29/32"	1 3/8"	.25
6030	15/16"	1 1/2"	.28
6031	31/32"	1 1/2"	.28
6032	1"	1 1/2"	.33
6034	1 1/16"	1 9/16"	.38
6036	1 1/8"	1 5/8"	.40
6038	1 3/16"	1 11/16"	.45
6040	1 1/4"	1 3/4"	.65

6 POINT SOCKETS

6016-H	1/2"	1 3/8"	.10
6018-H	9/16"	1 3/8"	.10
6020-H	5/8"	1 3/8"	.11
6022-H	11/16"	1 3/8"	.12
6024-H	3/4"	1 3/8"	.13

SPECIAL SPARK PLUG SOCKET

Patented rubber insert (see cutaway view) holds spark plugs securely in socket during installation or removal. Speeds work, helps get into hard to reach places, prevents burning fingers on hot manifolds. Hex opening for greater strength. Polished, chrome plated; hot broached alloy steel. No. 6126-HP, 1/2" drive, 13/16" opening. Length 2 1/2". Weight .28 lbs.

REVERSIBLE RATCHETS

6210*	Length 10"	Wt. 1.28 lbs.
6211*	Length 10 1/4"	Wt. 1.2 lbs.
6212*	Length 16"	Wt. 1.8 lbs.

*See price list for replacement parts.

ADAPTORS

6071	Length 1 7/8"	Wt. .33 lbs.
Adapts 3/4" drive attachments to 1/2" drive sockets.		
6072	Length 1 9/16"	Wt. .25 lbs.
Adapts 1/2" drive attachments to 3/4" drive sockets.		

DRAG LINK ADJUSTER

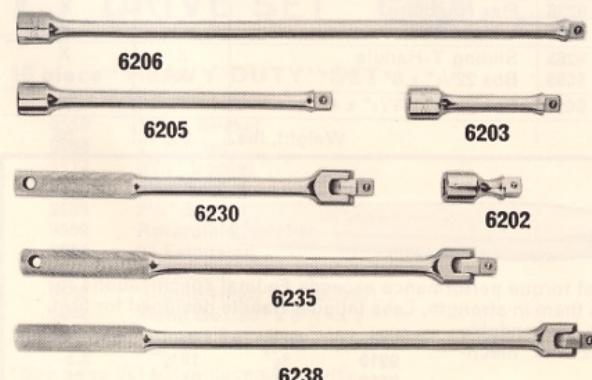
6076	Length 1 3/8"	Wt. .25 lbs.
Blade .150" thick, 15/16" wide.		

EXTENSIONS

6202	Overall length 2 1/2"	Wt. .24 lbs.
6203	Overall length 5"	Wt. .40 lbs.
6205	Overall length 10"	Wt. .65 lbs.
6206	Overall length 18"	Wt. 1.10 lbs.

UNIVERSAL JOINT

6208	Length 2 5/16"	Wt. .23 lbs.
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**8 POINT SOCKETS**

No.	Opening Size	Length	Wt. lbs.
6082	3/8"	1 3/8"	.13
6084	7/16"	1 3/8"	.13
6086	1/2"	1 3/8"	.13
6088	9/16"	1 3/8"	.18
6090	5/8"	1 7/16"	.18
6092	11/16"	1 3/8"	.25
6094	3/4"	1 9/16"	.36
6096	13/16"	1 3/8"	.39
6098	7/8"	1 9/16"	.45

12 POINT EXTRA DEEP SOCKETS

No.	Opening Size	Length	Wt. lbs.
6116	1/2"	3 1/4"	.23
6118	9/16"	3 1/4"	.23
6120	5/8"	3 1/4"	.23
6122	11/16"	3 1/4"	.25
6124	3/4"	3 1/4"	.30
6126	13/16"	3 1/4"	.35
6128	7/8"	3 1/4"	.43
6130	15/16"	3 1/4"	.45
6132	1"	3 1/4"	.50
6134	1 1/16"	3 1/4"	.63
6136	1 1/8"	3 1/4"	.65

SPEEDER HANDLE

6215	Shank Length 8"	Length 18"	
	Swing 4"		Wt. 1.43 lbs

HINGE HANDLES

6230	Length 11"	Wt. 1.08 lbs.
6235	Length 15"	Wt. 1.56 lbs.
6238	Length 18"	Wt. 1.7 lbs.

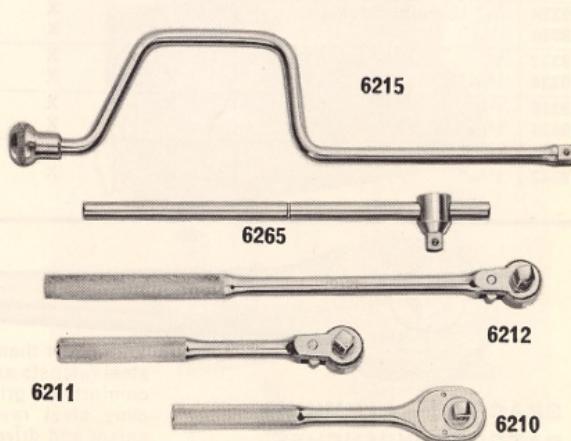
RATCHETOR

Converts any 1/2" drive attachment into reversing ratcheting device. Simple mechanism, compact, strong.

6247		Wt. .73 lbs.
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SLIDING T-HANDLE

6265	Head 1 3/4"	Bar 13"	Wt. 1.3 lbs.
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1/2"

SQUARE DRIVE SOCKET SETS

53 PIECE "MASTER" 1/2" DRIVE SET No. 6000F



No.	Description	Set No.			
		6000NR	6000K	6000F	6100A
6014	7/16" 12 Point Socket	X	X	X	
6016	1/2"	X	X	X	
6018	9/16" "		X	X	
6019	19/32" "			X	
6020	5/8" "	X	X	X	
6021	21/32" "			X	
6022	11/16" "	X	X	X	
6024	3/4" "	X	X	X	
6025	25/32" "			X	
6026	13/16" "	X	X	X	
6028	7/8" "	X	X	X	
6029	29/32" "			X	
6030	15/16" "	X	X	X	
6031	31/32" "			X	
6032	1"	"	X	X	X
6034	11/16" "			X	
6036	1 1/8"			X	
6038	13/16" "			X	
6040	1 1/4" "			X	
6076	Drag Link Adjuster			X	



3/4"

SQUARE DRIVE SOCKET SETS

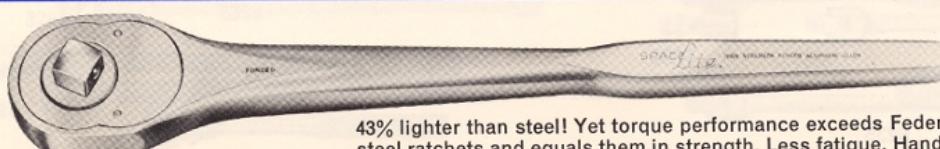
No. 9300 NR. 11 PIECE "BASIC" 3/4" DRIVE SET



No.	Description	Set No.	
		9300NR	9300F
9328	7/8" 12 Point Socket		X
9330	15/16" "		X
9332	1"		X
9334	11/16" "	X	X
9336	1 1/8"	X	X
9338	13/16" "		X
9340	1 1/4" "	X	X
9342	1 5/16" "	X	X

No.	Description	Set No.			
		6000NR	6000K	6000F	6100A
6082	3/8" 8 Point Socket			X	
6084	7/16" "			X	
6086	1/2"	"		X	
6088	9/16" "			X	
6090	5/8"	"		X	
6092	11/16" "			X	
6094	3/4"	"		X	
6096	13/16" "			X	
6098	7/8"	"		X	
6116	1/2" 12 Point Extra Deep Socket			X	
6118	9/16" "			X	X
6120	5/8"	"		X	X
6122	11/16" "			X	X
6124	3/4"	"		X	X
6126	13/16" "			X	X
6126-HP	13/16" 6 Point Spark Plug			X	
6128	7/8" 12 Point Deep Socket			X	X
6130	15/16" "			X	X
6132	1"	"		X	X
6134	1 1/16"	"		X	X
6136	1 1/8" "			X	X
6202	2 1/2" Extension			X	X
6203	5"	"		X	X
6205	10"	"		X	X
6206	18"	"		X	X
6208	Universal Joint			X	X
6211	10 1/4" Reversible Ratchet	X	X	X	
6212	16"	"		X	
6215	18" Speeder			X	X
6230	11" Hinge Handle			X	
6235	15"	"		X	
6238	18 1/4"	"		X	X
6265	Sliding T-Handle			X	
5496	Box 18 1/2" x 5 3/4" x 3 1/2"			X	
5497	Box 18 3/4" x 7 1/4" x 6"			X	
Weight, lbs.		11	13	32	4.75

No.	Description	Set No.	
		9300NR	9300F
9344	1 1/8"	"	X
9346	1 7/16"	"	X
9348	1 1/2"	"	X
9350	1 9/16"	"	X
9352	1 5/8"	"	X
9354	1 11/16"	"	X
9356	1 3/4"	"	X
9358	1 13/16"	"	X
9360	1 7/8"	"	X
9364	2"	"	X
9368	2 1/8"	"	X
9203	5" Extension		X
9204	8"	"	X
9206	16"	"	X
9208	Universal Joint		X
9209	Reversible Ratchet	X	X
9238	Flex Handle		X
9255	L-Handle		X
9265	Sliding T-Handle		X
5695	Box 22 1/2" x 8" x 3 3/4"	X	X
5696	Box 23 1/2" x 9 1/4" x 4"		X
Weight, lbs.		20	55



SPACELITE ALUMINUM
RATCHET WRENCHES

43% lighter than steel! Yet torque performance exceeds Federal specifications for steel ratchets and equals them in strength. Less fatigue. Handle designed for firm, comfortable grip. Strong, dependable alloy steel reversible ratchet mechanism and drive.

No.	Drive	Length	Wt. Lbs.
9210	3/4"	19 3/4"	3.5
9510	1"	25 1/2"	7.25

3/4"

SQUARE DRIVE SOCKETS, HANDLES AND ATTACHMENTS

P & C

12-POINT SOCKETS

No.	Opening	Inside Clearance	Length	Wt. lbs.
9328	7/8"	1 1/8"	2"	.35
9330	15/16"	1 1/8"	2"	.40
9332	1"	1 1/8"	2"	.43
9334	1 1/16"	1 1/8"	2"	.48
9336	1 5/16"	1 1/4"	2 1/8"	.53
9338	1 3/16"	1 1/4"	2 1/8"	.58
9340	1 1/4"	1 1/4"	2 1/8"	.70
9342	1 5/16"	1 1/4"	2 1/8"	.70
9344	1 3/8"	1 3/8"	2 1/4"	.73
9346	1 7/16"	1 3/8"	2 1/4"	.80
9348	1 1/2"	1 3/8"	2 1/4"	.85
9350	1 9/16"	1 1/2"	2 3/8"	.90
9352	1 5/8"	1 1/2"	2 3/8"	1.05
9354	1 11/16"	1 3/4"	2 1/2"	1.35
9356	1 3/4"	1 3/4"	2 1/2"	1.45
9358	1 13/16"	1 7/8"	2 5/8"	1.80
9360	1 7/8"	1 7/8"	2 5/8"	1.90
9364	2"	2"	2 5/8"	2.13
9368	2 1/8"	2"	2 3/4"	2.45

EXTENSIONS

9203	Overall length 5"	Wt. 1.05 lbs.
9204	Overall length 8"	Wt. 1.43 lbs.
9206	Overall length 16"	Wt. 2.30 lbs.

UNIVERSAL JOINT

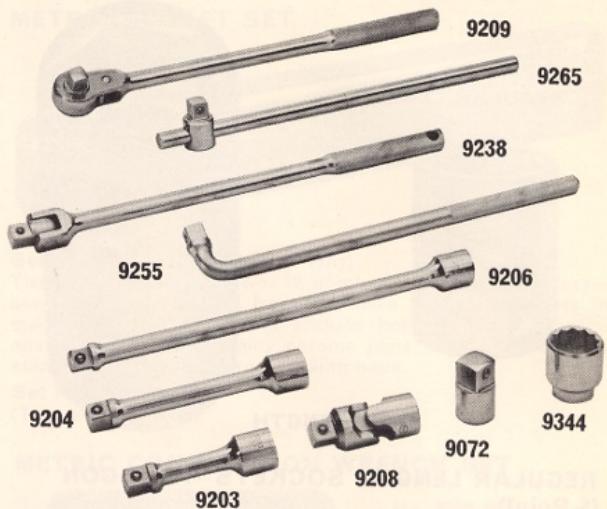
9208	Length 3 3/4"	Wt. 1.0 lbs.
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REVERSIBLE RATCHET

9209*	Length 20"	Wt. 4.0 lbs.
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HINGE HANDLE

9238	Length 20"	Wt. 3.2 lbs.
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L-HANDLE

9255	Length 17 1/2"	Wt. 2.35 lbs.
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SLIDING T-HANDLE

9265	Head 2 1/4" Bar 18"	Wt. 2.73 lbs.
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ADAPTORS

9071	Length 2 1/2"	Wt. 1.10 lbs.
9072	Length 2 1/4"	Wt. .58 lbs.

Adapts 1" drive attachments to 3/4" drive sockets.
Adapts 3/4" drive attachments to 1" drive sockets.

1" DRIVE SOCKETS, HANDLES AND ATTACHMENTS

P & C

12-POINT SOCKETS

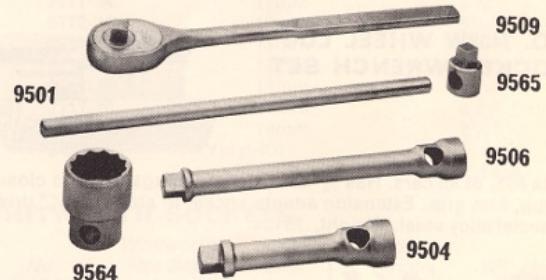
No.	Opening	Inside Clearance	Length	Wt. lbs.
9552	1 5/8"	2 1/4"	3 1/4"	1.73
9558	1 13/16"	2 9/16"	3 5/16"	1.85
9560	1 7/8"	2 3/8"	3 3/8"	1.94
9564	2"	2 7/16"	3 7/16"	2.2
9570	2 3/16"	2 3/4"	3 3/4"	3.1
9572	2 1/4"	2 13/16"	3 13/16"	3.4
9576	2 3/8"	2 15/16"	3 15/16"	3.9
9580	2 1/2"	3"	4"	4.6
9582	2 9/16"	3"	4"	4.9
9584	2 5/8"	3 1/8"	4 1/8"	5.2
9588	2 3/4"	3 3/8"	4 3/8"	6.2
9594	2 15/16"	3 1/8"	4 5/8"	7.7
9596	3"	3 1/2"	4 5/8"	7.9
9600	3 1/8"	3 1/8"	4 7/8"	9.6
9612	3 1/2"	4 1/2"	5 1/2"	15.0

CROSS BAR

9501	Diam. 1"	Length 24"	Wt. 5.3 lbs
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EXTENSIONS

9504	Length 9"	Wt. 3.6 lbs.
9506	Length 18"	Wt. 6.0 lbs.



REVERSIBLE RATCHET

9509*	Length 26"	Wt. 12.0 lbs.
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SLIDING HEAD

9565	Length 3"	Wt. 1.48 lbs.
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1" DRIVE SET

P & C

10 piece "HEAVY DUTY" SET

No.	1 13/16" Socket
9564	2" Socket
9570	2 3/16" Socket
9576	2 3/8" Socket
9588	2 3/4" Socket
9509	Reversible Ratchet
9504	9" Extension
9501	Cross Bar
9565	Sliding Head for No. 9501
5894	Metal Box 30" x 8 1/4" x 5"

No. 9500-OC Set Wt. 60 lbs.

*See price list for replacement parts.





1/2"

SQUARE DRIVE POWER SOCKETS

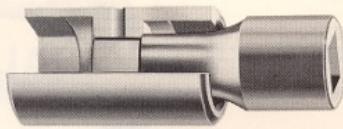
REGULAR LENGTH



DEEP LENGTH

REGULAR LENGTH SOCKETS—HEXAGON
(6-Point)

No.	Nom. Open.	Bolt Size	Depth	Total Length	Wt. lbs.
7412-H	3/8"	.562"	.562"	1 1/2"	.13
7414-H	7/16"	.562"	.562"	1 1/2"	.14
7416-H	1/2"	.562"	.562"	1 1/2"	.17
7418-H	9/16"	.718"	.718"	1 1/2"	.17
7420-H	5/8"	.750"	.750"	1 1/2"	.17
7422-H	11/16"	.750"	.750"	1 1/2"	.22
7424-H	3/4"	.828"	.828"	1 1/2"	.26
7426-H	13/16"	.828"	.828"	1 1/2"	.38
7428-H	7/8"	.843"	.843"	1 1/2"	.31
7430-H	15/16"	.875"	.875"	1 3/4"	.45
7432-H	1"	1.000"	1.000"	1 3/4"	.48
7434-H	11/16"	1.250"	1.250"	2"	.55
7436-H	1 1/8"	1.250"	1.250"	2"	.66
7438-H	13/16"	1.250"	1.250"	2"	.71
7440-H	1 1/4"	1.250"	1.250"	2"	.79

NO. 7402W WHEEL LUG
SOCKET WRENCH SET

Fits 85% of all cars. Has 3/4" and 13/16" openings. Held to close tolerance for snug, firm grip. Extension adapts socket to standard 1/2" drive impact gun. Special alloy steel. Weight, .75 lbs.



3/4"

IMPACT SOCKETS

REGULAR LENGTH SOCKET—
HEXAGON (6-Point)

No.	Size	Bolt Depth	Total Length	Wt. lbs.
07509	9/16"	.750"	1 1/8"	.67
07510	5/8"	.750"	1 1/8"	.67
07511	11/16"	.750"	1 1/8"	.66
07512	3/4"	1.000"	1 1/8"	.68
07513	13/16"	1.000"	1 1/8"	.62
07514	7/8"	1.000"	2"	.70
07515	15/16"	1.000"	2"	.86
07516	1"	1.062"	2 1/16"	1.00
07517	11/16"	1.062"	2 1/16"	1.14
07518	1 1/8"	1.125"	2 3/16"	1.28
07519	13/16"	1.125"	2 3/16"	1.32
07520	1 1/4"	1.125"	2 3/16"	1.36
07521	1 1/8"	1.125"	2 3/16"	1.32
07522	1 1/4"	1.125"	2 1/4"	1.62
07523	17/16"	1.156"	2 5/16"	1.56
07524	1 1/2"	1.156"	2 5/16"	1.62

DEEP LENGTH SOCKET—
HEXAGON (6-Point)

†07524L 1 1/2" 2.375" 3 1/2" 2.60

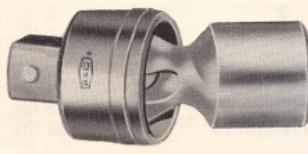
REGULAR LENGTH SOCKET—
SQUARE (4-Point)

†07513-SS 13/16" 1.437" 2 7/16" .82

DEEP LENGTH SOCKETS—HEXAGON (6-Point)

No.	Nom. Open.	Bolt Depth	Total Length	Wt. lbs.
7312-H	3/8"	2.562"	3 1/4"	.33
7314-H	7/16"	2.562"	3 1/4"	.33
7316-H	1/2"	2.562"	3 1/4"	.31
7318-H	9/16"	2.562"	3 1/4"	.37
7320-H	5/8"	2.562"	3 1/4"	.36
7322-H	11/16"	2.562"	3 1/4"	.41
7324-H	3/4"	2.562"	3 1/4"	.59
7326-H	13/16"	2.562"	3 1/4"	.56
7328-H	7/8"	2.562"	3 1/4"	.62
7330-H	15/16"	2.750"	3 1/2"	.86
7332-H	1"	2.750"	3 1/2"	.90
7334-H	11/16"	2.750"	3 1/2"	1.00
7336-H	1 1/8"	2.750"	3 1/2"	1.02
S7336-H	1 1/8"	5"	5 3/4"	1.76

This special socket has been designed for use on the spindle nut of cotton picking machines.

NO. 7470
UNIVERSAL
JOINT

No. 7470
Universal Joint
Ball-type. Length,
2 3/4". Wt., .38 Lb.



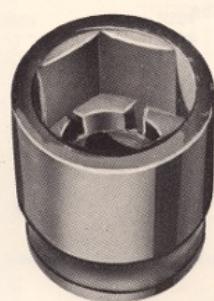
NO. 7400D SET

1/2" Square Drive Power Sockets
Six 1/2" square drive power sockets that
do 90% of automotive impact work are
Weight 1.70 lbs.

1" IMPACT SOCKETS

REGULAR LENGTH SOCKETS—
HEXAGON (6-Point)

No.	Size	Bolt Depth	Total Length	Wt. lbs.
10012	3/4"	1.000"	2 2/16"	.96
10014	7/8"	1.000"	2 2/16"	1.04
10015	19/16"	1.125"	2 2/16"	1.02
10016	1"	1.250"	2 2/16"	1.06
10017	11/16"	1.250"	2 2/16"	1.28
†10018	11/8"	1.250"	2 2/16"	1.30
10019	13/16"	1.250"	2 2/16"	1.28
10020	1 1/4"	1.375"	2 2/16"	1.23
10021	1 1/8"	1.500"	2 2/16"	1.30
10022	1 1/4"	1.531"	2 2/16"	1.46
10023	17/16"	1.531"	2 1/16"	1.46
†10024	1 1/2"	1.531"	2 3/4"	1.46
10025	19/16"	1.562"	2 3/16"	1.56
10026	15/8"	1.562"	2 7/16"	1.78
10027	11/16"	1.812"	2 15/16"	1.96
10028	13/16"	1.750"	3"	2.0
10029	1 1/16"	1.812"	3 1/16"	2.5
10030	17/8"	1.875"	3 1/8"	2.3
10032	2"	1.875"	3 1/4"	3.2
10034	21/8"	1.875"	3 3/8"	3.4
10036	2 1/4"	2.000"	3 1/2"	4.1
10038	2 3/8"	2.000"	3 5/8"	4.2
10040	2 1/2"	2.375"	4"	4.9

DEEP LENGTH SOCKET—
HEXAGON (6-Point)

†10024L 1 1/2" 2.250" 3 1/2" 2.40

REGULAR LENGTH SOCKETS—
SQUARE (4-Point)

†10013-SS 13/16" .875" 2 5/16" 1.16

†Designed for Budd Wheels.

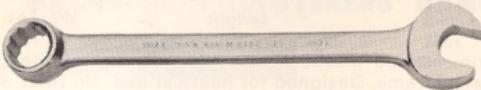
†Suitable for Budd Wheels.

METRIC & WHITWORTH WRENCHES, SOCKETS & SETS



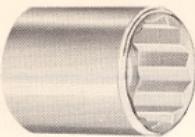
Metric size socket wrenches and combination box and open end wrenches are for cars, machinery, and equipment made in France, Italy, Germany and most other European countries except England, which generally uses Whitworth standards.

METRIC SIZE COMBINATION WRENCHES



No.	Opening Size, MM	Length, Inches	Wt. Lbs.
2710-M	10	4 1/2"	.06
2711-M	11	5 1/4"	.10
2712-M	12	5 1/4"	.10
2713-M	13	6"	.14
2714-M	14	6 3/4"	.20
2715-M	15	7 1/2"	.27
2716-M	16	7 1/2"	.27
2717-M	17	8 1/4"	.34
2718-M	18	8 1/4"	.34
2719-M	19	9 1/4"	.45
2720-M	20	10 1/4"	.55
2722-M	22	11 1/4"	.65

METRIC SIZE SOCKETS 3/8" SQUARE DRIVE



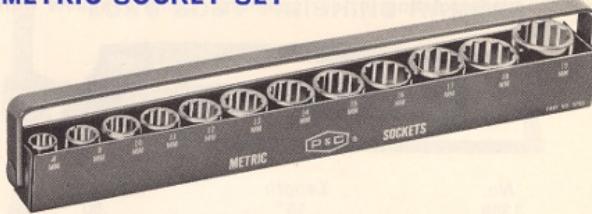
No.	Opening Size, MM	Length, Inches	Wt. Lbs.
3008-M	8	1"	.04
3009-M	9	1"	.04
3010-M	10	1"	.04
3011-M	11	1"	.04
3012-M	12	1"	.05
3013-M	13	1"	.07
3014-M	14	1"	.07
3015-M	15	1"	.07
3016-M	16	1"	.10
3017-M	17	1 1/16"	.10
3018-M	18	1 1/16"	.13
3019-M	19	1 3/16"	.17

WHITWORTH COMBINATION WRENCHES

For repairing cars, motorcycles, appliances, machinery and equipment made in England.

No.	Whitworth Size Bolt	Opening Size	Total Length	Wt. Lbs.
1206-W	3/16	.340"	4"	.13
1208-W	1/4	.445"	5 1/4"	.18
1210-W	5/16	.525"	6"	.25
1212-W	3/8	.600"	7 1/2"	.32

METRIC SOCKET SET



Set No. 3000-M (12 Sockets & Tray)

Twelve sizes 3/8" sq. drive, 12 point, Metric sockets in tray—keeps sockets separate from look-alike Standard sockets in mechanic's tool chest. All sockets hot-punched in special analysis alloy steel, quality chrome plate. Size and numbers stenciled on tray. Spillproof locking band.

Set No. 3000-M
(Tray only No. 5293)

METRIC COMBINATION WRENCH SET



No. 2700-M

Seven most used sizes. Comes in bright blue plastic kit. Each Metric wrench is properly broached and is drop-forged to assure the right combination of strength and toughness at the most critical places.

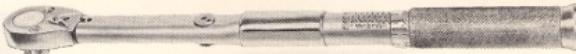
No.	Size of Openings	Length
2711-M	11mm	5 1/4"
2712-M	12mm	5 5/8"
2713-M	13mm	6"
2714-M	14mm	6 3/4"
2716-M	16mm	7 1/2"
2717-M	17mm	8 1/4"
2719-M	19mm	9 1/4"
2429	Vinyl Kit	Wt. 1.8 lbs.

WHITWORTH SOCKETS

No.	Whitworth Size Bolt	Socket Size	Total Length	Wt. Lbs.
5206-W	3/16	.340"	1 1/16"	.04
5208-W	1/4	.445"	1 1/16"	.06
5210-W	5/16	.525"	1 1/8"	.07
5212-W	3/8	.600"	1 1/8"	.11

TORQUE LIMITING WRENCHES

RATCHET HEAD MODEL



Built-in ratchet head does all work of regular ratchet—also available with plain head. Automatic torque-limiting release signals completion of operation—no sounds to listen for—no scales, dials or pointers to watch—resets automatically.

This torquer is faster, more efficient and much easier to use than others because it uses positive torque-LIMITING action (instead of devices that merely INDICATE what the torque SHOULD be).

You can set this wrench at the torque you want. It releases AUTOMATICALLY when that torque point is reached. No guessing. No staring at hard-to-read dials, no listening for hard-to-hear signals, no over-torquing, no under-torquing, no clumsy gadgets sticking out in your way. It's a great time saver.

PLAIN HEAD MODEL



FOOT-POUND TORQUE-LIMITING WRENCHES

No.	Capacity Ft.-Lbs.	Graduations, Ft.-Lbs.	Square Drive Size	Style of Head	Overall Length	Wt., Lbs.
6308	5-75	1/2"	1 1/2"	Ratchet	14 1/16"	1.54
6315	10-150	1	1 1/2"	Plain	16 3/4"	2.0
6316	10-150	1	1 1/2"	Ratchet	18 1/4"	2.5
6317-F	100-500	5	3/4"	Plain	37"	9.3

INCH-POUND TORQUE-LIMITING WRENCHES

6361	5-150	2	1/4"	Plain	8 5/8"	.85
6371-F	1000-4800	50	3/4"	Plain	37"	9.3

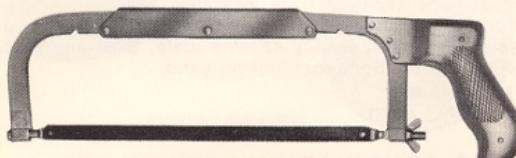


HACKSAWS

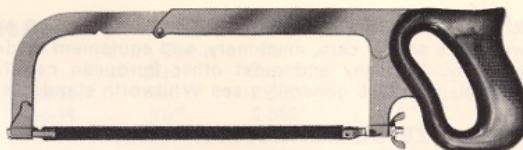
Three models, all are fully adjustable for 8", 10", or 12" blades and for blade rotation in four positions. Come complete with 10" blade.



No. 1359 Length 16" Wt. Lbs. .80
Light weight solid steel frame. Pistol Grip Plastic Handle.



No. 1360 Length 16 1/2" Wt. Lbs. 1.15
Formed metal handle welded to rugged steel frame.

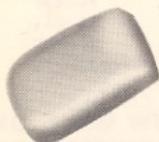


No. 1361 Length 17 1/2" Wt. Lbs. 1.90
Full grip, molded plastic handle permanently attached to $3/4"$ x $3/16"$ steel frame. Designed for heaviest use. No twist or warp in this solid frame.



BODY AND FENDER TOOLS

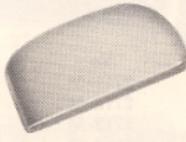
All dollies are forged of alloy steel, hardened, tempered, highly polished on working surfaces, maintaining smooth surfaces over long periods of time, even with hard daily use.



1452



1453



1454

NO. 1452 EGG-SHAPED DOLLY

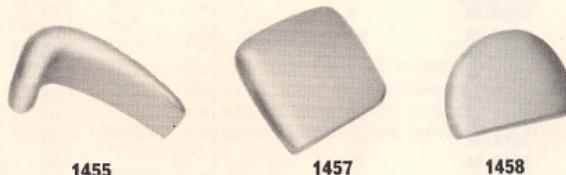
A very useful and popular shape, with a great many different curves and angles. Size, $1\frac{5}{8}"$ x $2\frac{1}{2}"$ x $3\frac{3}{4}"$. Weight, 3.1 Lbs.

NO. 1453 RAILROAD OR GENERAL PURPOSE DOLLY

Has a large variety of radii, perfect hand fit, thin beading edge, and $7\frac{1}{2}$ square inches on largest face. Heavy weight is ideal for bumping out dents. Size, $2\frac{3}{8}"$ x $2\frac{3}{4}"$ x $2\frac{1}{32}"$. Weight, 2.9 Lbs.

NO. 1454 RADIUS DOLLY

Useful design, with many radii. One side and bottom are flat for dinging flat surfaces. Both ends high crowned. Size, $1\frac{9}{32}"$ x $2\frac{3}{16}"$ x $4\frac{1}{2}"$. Weight, 2.9 Lbs.



1455 1457 1458

NO. 1455 BEAD DOLLY

Another popular dolly, used for beads or flanges on fenders. Flat side works under long curve of fender. Thin edge is useful for corners and beading. Size, $1\frac{7}{8}"$ x $2\frac{29}{32}"$ x $4\frac{7}{16}"$. Weight, 2.4 Lbs.

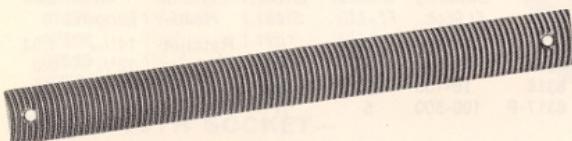
NO. 1457 SHRINKING DOLLY

The unique shape and low crown make this dolly ideal for shrinking body metal, and for raising beads and molding. Size, $1\frac{1}{4}"$ x $3\frac{1}{16}"$ x $3\frac{5}{16}"$. Weight, 2.2 Lbs.

NO. 1458 SEMI-ELLIPTICAL HEEL DOLLY

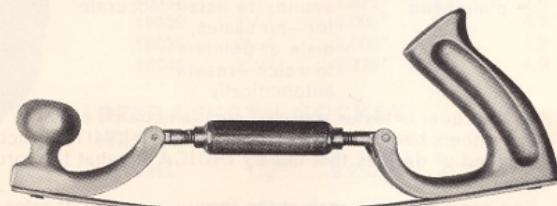
Provides two flat and two crowned working surfaces. Very useful in restricted places. Suitable for shrinking metal. Size, $1\frac{3}{16}"$ x $2\frac{3}{8}"$ x $3\frac{1}{4}"$. Weight, 2.2 Lbs.

NO. 1501 FLEXIBLE FLAT STRAIGHT FILE



Fast cutting type for all kinds of body, fender and sheet metal work. Has curved teeth on both sides. 7 teeth to inch. Use with 1509 Holder. Length, 14". Width, $1\frac{3}{8}"$. Weight, .70 Lb.

NO. 1509 ADJUSTABLE FILE HOLDER



Made of aluminum, this fender file holder is light but strong. Simple adjustment makes file convex, concave or flat. For use with 1501 File. Length, 16". Weight, 1.86 Lbs.

BODY AND FENDER HAMMERS



These P&C hammers are forged from special alloy steel and are designed to speed and simplify repairs. They have good balance, highly polished faces, and proper weight and clearances. Tough hickory handles.

MAGNETIC UPHOLSTERERS' HAMMER



No. 1419—A favorite because of its long reach and head radii. The head is curved in the arc of a natural swing. Length of head, 5 $\frac{3}{4}$ ". Weight, .57 Lb.

DINGING HAMMER



No. 1421—Has large face for roughing the bad ones into shape for finishing. Head is 6" long, with 1 $\frac{1}{4}$ " and 1 $\frac{5}{8}$ " round faces. Faces are slightly crowned. Weight, 1.00 Lb.

FINISHING HAMMER



No. 1424—Light in weight and perfectly balanced. Has slightly crowned 1 $\frac{1}{4}$ "-diameter round face, and a 1 $\frac{1}{16}$ " square face. Weight, .64 Lb.

FINISHING HAMMER



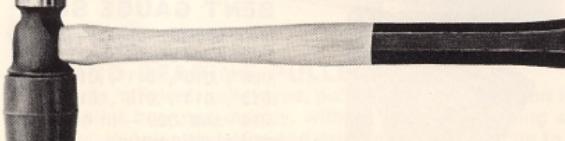
No. 1425—Heavier than 1424. Has slightly crowned 1 $\frac{1}{2}$ "-diameter round face, and a 1 $\frac{1}{8}$ " square face. Weight, .90 Lb.

BRASS HAMMER



No. 1430—1 $\frac{1}{2}$ lb. head, all-purpose non-marring hammer for bushings, gears, transmission work, etc. Tapered head for good clearance minimizes mushrooming. Weight, 1.84 Lbs.

TWO-WAY HAMMER



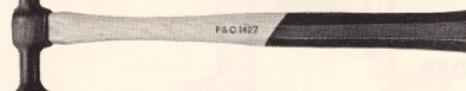
No. 1448—Forged steel head and replaceable rubber head. Ideal for mounting tires, drawing rivets and many other jobs. Weight, 2.6 Lbs. No. 1448B Spare Rubber Head.

LONG BODY FINISHING HAMMER



No. 1426—For crowned fenders and other places where clearance is needed. Has slightly crowned 1 $\frac{3}{8}$ "-diameter round face with 3 $\frac{1}{2}$ " clearance, and a round cross pein, 1 $\frac{1}{8}$ " wide, with 4" clearance. Weight, 1.03 Lbs.

FINISHING HAMMER



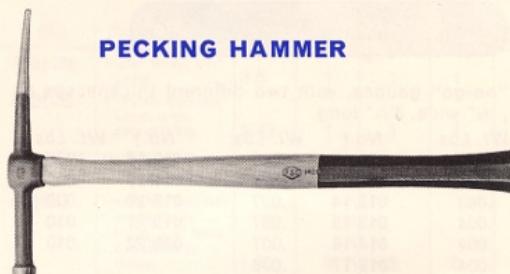
No. 1427—Has wedge shaped 1"-wide cross pein with 2 $\frac{1}{2}$ " clearance. Used for fender beads, corner along panel beading, etc. Has slightly crowned 1 $\frac{3}{8}$ " round face with clearance of 2". Weight, .70 Lb.

PECKING HAMMER



No. 1428—Has pointed end for picking out small dents and a round face for finishing. Head is 5 $\frac{1}{8}$ " long overall. Slightly crowned round face is 1 $\frac{1}{2}$ " in diameter. Weight, .86 Lb.

PECKING HAMMER

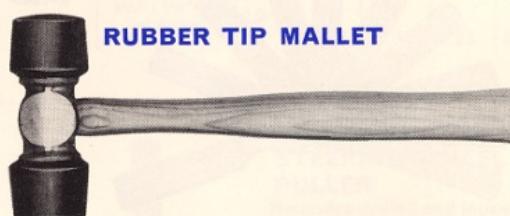


No. 1429—Eliminates uncomfortable reaching. Handle, 17 $\frac{3}{8}$ " reaches to center of top. Head is 9" long overall. This hammer combines a long curved pecking point with a long-necked round pein. Weight, .88 Lb.

SPECIAL HAMMERS



RUBBER TIP MALLET



No. 8954—A forged steel head mallet with replaceable rubber tips. For use where a metal hammer would cause damage. Ideal for heavy tire work on autos, trucks and tractors. Bright finish on head with large black rubber tips and selected hickory handle. Replacement tips also available. 1 $\frac{1}{2}$ Lb. Head. 2" dia. of face.

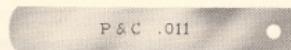
See Price List for replacement handles and rubber tips.



FEELER GAUGES AND GAUGE SETS

SHORT BLADES

Accurately ground and correctly heat treated.



$\frac{1}{2}$ " wide, 3" long.

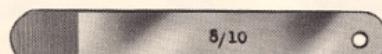
No.†	Wt. Lbs.	No.†	Wt. Lbs.	No.†	Wt. Lbs.
0015	.001	010	.005	019	.009
002	.001	011	.005	020	.010
003	.002	012	.005	022	.011
004	.002	013	.006	025	.012
005	.003	014	.006	030	.013
006	.003	015	.007	032	.015
007	.004	016	.008	035	.016
008	.004	017	.008	040	.017
009	.004	018	.009		

LONG BLADES

$\frac{1}{2}$ " wide, 12" long.

No.†	Wt. Lbs.	No.†	Wt. Lbs.	No.†	Wt. Lbs.
015-L	.002	013-L	.023	025-L	.040
002-L	.004	014-L	.023	026-L	.041
003-L	.006	015-L	.027	027-L	.043
004-L	.008	016-L	.027	028-L	.046
005-L	.009	017-L	.028	030-L	.050
006-L	.012	018-L	.030	032-L	.054
008-L	.016	019-L	.031	035-L	.057
010-L	.019	020-L	.032	040-L	.070
011-L	.019	021-L	.035		
012-L	.021	022-L	.036		

STEP-CUT FEELER GAUGES

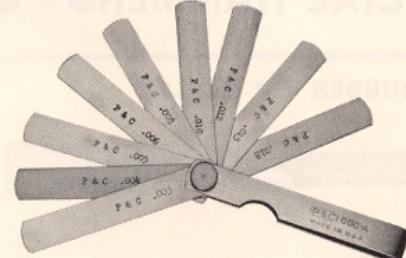


"Go" and "no-go" gauges, with two different thicknesses on each blade, $\frac{1}{2}$ " wide, $\frac{3}{4}$ " long.

No.†	Wt. Lbs.	No.†	Wt. Lbs.	No.†	Wt. Lbs.
004/6	.002	010/12	.006	016/18	.008
005/7	.003	011/13	.007	017/19	.009
006/8	.003	012/14	.007	018/20	.009
007/9	.004	013/15	.007	019/21	.010
008/10	.004	014/16	.007	020/22	.010
009/11	.004	015/17	.008		

†No. Indicates Tool No. and Thickness in Thousandths of an Inch.

STANDARD FEELER GAUGE SET

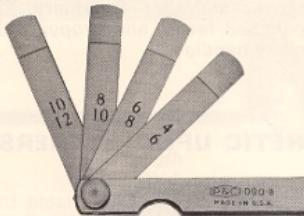


No. 000-A. Nine short blades—003, 004, 005, 006, 008, 010, 012, 015 and 018—in 000-C holder. Wt., .09 Lb.

STANDARD FEELER GAUGE SET

No. 000-AA. 25 Short blades 0015 through 040 except 019 in 000-C holder. Wt., .19 Lb.

STEP-CUT GAUGE SET



No. 000-B. Four gauges—004/6, 006/8, 008/10 and 010/12—in 000-C holder. Wt., .06 Lb.

STEP-CUT GAUGE SET

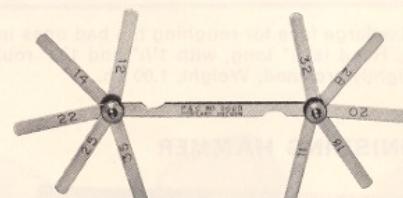
No. 000-BB. Master set, with eight gauges—004/6 through 011/13—in 000-C holder. Wt., .08 Lb.

FEELER GAUGE HOLDER

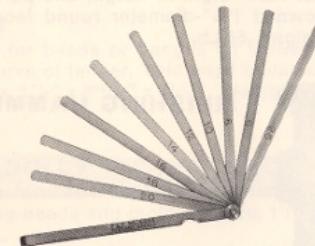


No. 000-C. For 3" feeler gauge blades. Holds all available sizes. Wt., .05 Lb.

IGNITION GAUGE SET



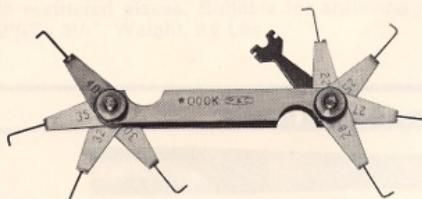
No. 000-D. Ten $\frac{3}{16}$ " wide by $\frac{1}{2}$ " long blades—.013", .015", .017", .018", .020", .025", .030", .032", .035", and .040" thick—in holder. Wt., .03 Lb.
Blades not sold separately.



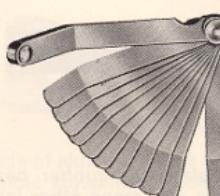
BRAKE GAUGE SET

No. 000-E. Nine $\frac{3}{16}$ " wide by 4" long blades—.006", .008", .010", .012", .014", .016", .018", .020" and .025" thick—in holder. Wt., .04 Lb.
Blades not sold separately.

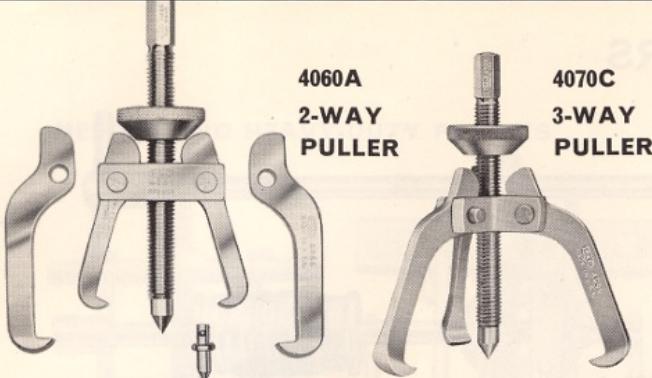
SPARK PLUG GAUGE SET



No. 000-K. For checking spark plug gaps, includes electrode bender. Eight bent-wire gauges—.022", .025", .027", .028", .030", .032", .035" and .040" thick—in holder. Wt., .06 Lb.
Gauges not sold separately.



BENT GAUGE SET
No. 000-M. Eleven $\frac{1}{2}$ " by $\frac{4}{16}$ " bent blades—.006", .008", .010", .011", .012", .013", .014", .015", .018", .019" and .020"—in holder and plastic pouch. Wt., .15 Lb.
Blades not sold separately.

**LIGHT-DUTY PULLERS**

These small pullers are designed to pull little gears, pulleys, bearings, etc., quickly and easily. The numerous applications for light-duty pullers include repairs of electric motors, refrigerators, other household appliances, oil pumps, starters, generators, etc. The narrow jaws get into very close places. Adjusting nut No. 4063 holds the jaws firmly in position so they can't slip. If adjusting nut No. 4056-N is substituted, the short jaws can be reversed and used for inside pulling. Any $\frac{1}{2}$ " opening wrench can be used on the screw's hex. head. Parts included in sets are in right columns of table below.

LIGHT-DUTY PULLER PARTS AND SETS

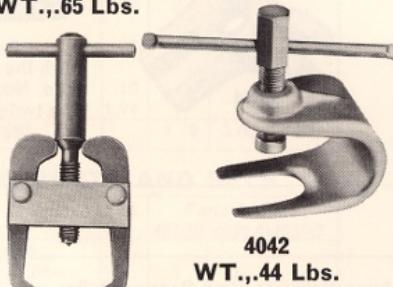
No.	Description	2-Way Set		3-Way Set	
		Wt., Lbs. 4060A Parts	4070C Parts	Wt., Lbs. 4060A Parts	4070C Parts
4022	Screw, $6\frac{3}{4}$ " Long, $\frac{1}{2}$ " Hex. Head, with 4022-T & 4022-TS Tips	.35	1	1	
4022-T	Standard Detachable Tip for 4022 Screw, 60° Taper	.03	..	..
4022-TS	Small Detachable Tip for 4022 Screw, $\frac{1}{4}$ " Diameter	.02	..	..
4063	Knurled Non-Reversible Adjusting Nut, $1\frac{1}{4}$ " Diameter	.28	1	1	
4056-N	Knurled Reversible Adjusting Nut, $2\frac{1}{2}$ " Diameter	.75	..	..
4061	Yoke, $2\frac{1}{2}$ " Wide, for Holding Two Jaws	.23	1	..	
4071	Yoke, $2\frac{1}{2}$ " Diameter, for Holding Three Jaws	.32	..	1	
4056-PN	Pin for Holding Jaw in Yoke, Held in Place by Ball Check	.03	2	3	
4056-J	Reversible Jaw, $3\frac{1}{2}$ " Long, 2" Yoke to Hook, $1\frac{5}{32}$ " - $4\frac{1}{8}$ " Inside Range, 0 " - $2\frac{1}{16}$ " Outside Range	.11	2	..	
4066	Outside Jaw, $4\frac{19}{32}$ " Long, 3" Yoke to Hook, 0 " - $5\frac{3}{16}$ " Range	.21	2	3	
4067	Long Outside Jaw, $7\frac{23}{32}$ ", L., $6\frac{1}{8}$ " Yoke to Hook, 0 " - $8\frac{3}{4}$ " Range	.30	..	..
	Set Weight, Lbs.		1.56	1.67	

Additional jaws that can be used with light-duty pullers are illustrated on Page 24.

NOS. 4041 AND 4042, BATTERY TERMINAL AND BEARING PULLERS

Remove terminals quickly, easily, without damaging posts. No. 4041, conventional type, is used for small bearings and other jobs. No. 4042, unusual type, costs less and is faster to set up and use.

4041
WT., .65 Lbs.

**NO. 4080****BLIND BEARING PULLER**

Simple, efficient, collet-type, pulls Chevrolet, Ford and Packard pilot bearings quickly, without damage. Turning screw expands outer shoulder and grips bearing. Expands to $1\frac{1}{16}$ " dia. Has many other uses. Can be used alone or with No. 4056 slide-hammer puller. Length, $4\frac{1}{2}$ ", Weight, .34 Lb.

No. 4080-B—Spare Body. No. 4080-S—Spare Screw.



Set No. 4001F (Includes 4000D with 4001-W Striking Wrench)

UNIVERSAL WHEEL HUB PULLERS

Fast, simple, easy to use. Pulls hubs of most light trucks and cars. The No. 4001J legs are drilled for $\frac{9}{16}$ " studs and are quickly adjustable to any drum with 3, 4, 5, 6 or 7 studs in a circle up to $6\frac{1}{2}$ " diameter. The No. 4001JT legs accommodate larger $\frac{3}{4}$ " studs and are adjustable on drums in a circle up to 8" diameter. The fastest, easiest manual wheel puller made for hubs without flanges on all Chrysler cars, Studebaker, Packard, Hudson and other cars and light trucks.

WHEEL HUB PULLER PARTS AND SETS

No.	Description	Wt., Lbs. 4001	Set No.			
			4001A	4001G	4000D	4001F
4001-B	Puller Body, $6\frac{3}{4}$ " Long	3.6	1	1	1	1
4001-S	1" Puller Screw, 8" Long, with 4001-ST Tip	1.43	1	1	1	1
4001-ST	Detachable Tip for 4001-S Screw	.06	..	..	..	..
4001-J	Leg— $1\frac{1}{16}$ " Leg Offset to Clear Hubs, $3\frac{1}{16}$ " from Crossarm to Offset	1.00	3	3	3	3
4001-JT	Leg— $1\frac{1}{16}$ " Leg Offset to Clear Hubs, $3\frac{1}{16}$ " from Crossarm to Offset	1.00	..	..	..	..
4001-R	Older Ford Adapter Ring	.64	1	1	..	..
4001-C	Older Ford Adapter Cap Screw, $4\frac{1}{16}$ " Long	.38	2	2	..	..
4001-W	Striking Wrench	2.0	..	..	1	..
4001-T	Steel Box, $10\frac{1}{4}$ " x $8\frac{1}{4}$ " x $1\frac{1}{16}$ " Set Weight, Lbs.	2.2	..	1	1	10.7
			9.43	11.63	12.23	8.03

NO. 4043 STEERING WHEEL PULLER

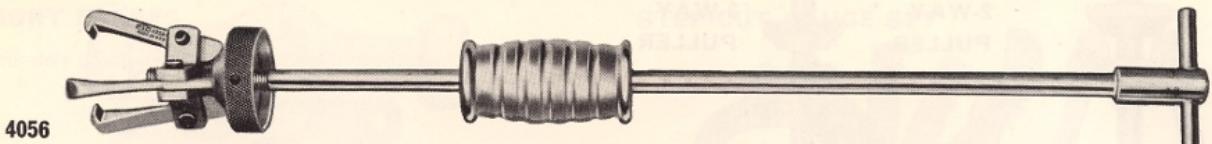
Removes drilled and tapped steering wheels, and ideal for many other cap screw pulling jobs. Holds two diametrically opposed cap screws, or three screws 120° apart. Rotatable screw tip is slotted to prevent interference with horn button wiring. Wt., 1.20 lbs.

No. 4043-B. Body only.
No. 4043-S. Screw only
(with tip 4043-T).

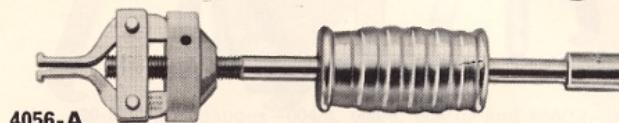




SLIDE-HAMMER PULLERS

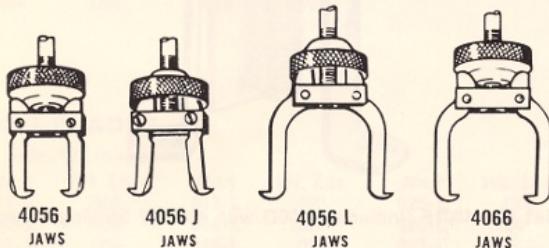


The P&C No. 4056 slide-hammer puller is an essential pulling unit in every shop or plant where bearings, grease retainers, oil seals, sleeves and shafting must be removed. The jaws and adjusting nut are reversible, so the set can be used for either inside or outside pulling.

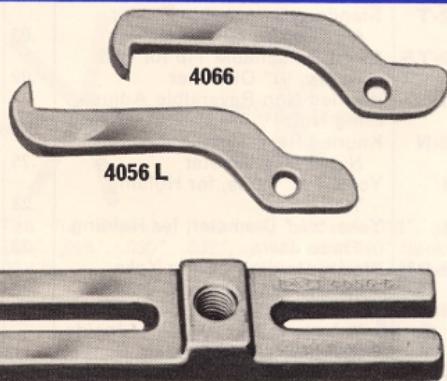
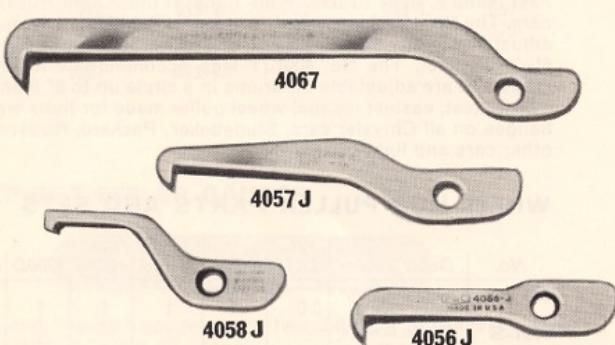
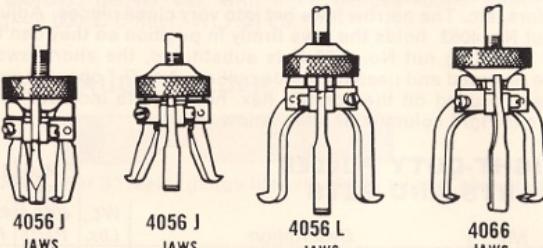


No. 4056-A. Pilot Bearing Puller for $\frac{5}{8}''$ - $1\frac{3}{4}''$ Bearings.

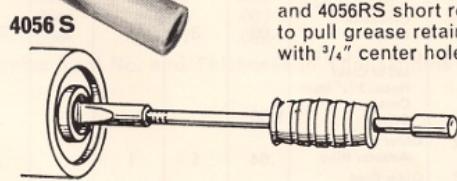
JAW COMBINATIONS WITH 2-WAY YOKE NO. 4061



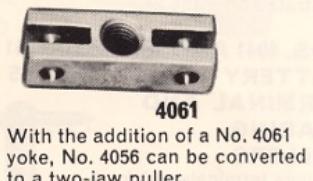
JAW COMBINATIONS WITH 3-WAY YOKE NO. 4071



Using 4056S single jaw and 4056RS short rod to pull grease retainers with $\frac{3}{4}''$ center hole.



The No. 4056C crossarm permits slide-hammer cap screw pulling.



With the addition of a No. 4061 yoke, No. 4056 can be converted to a two-jaw puller.

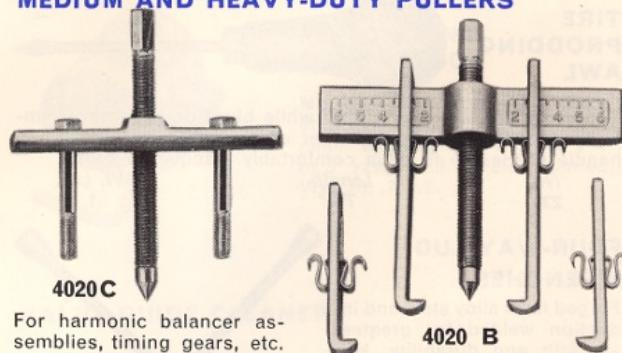
SLIDE-HAMMER PULLER PARTS AND SETS

No.	Description	Wt. Lbs.	Set 4056 Parts	Set 4056A Parts
4056R	T-Handled Rod, 24" Long	1.90	1	—
4056RS	Short Rod, $12\frac{3}{8}$ " Long, for Close Places and for Assembling Valve or Blind Bearing Puller	.96	—	1
4056H	Sliding Hammer with Fluted Grip	2.7	1	1
4056N	Knurled Reversible Adjusting Nut $2\frac{1}{2}$ " Diam.	.75	1	1
4063	Knurled Non-Reversible Adjusting Nut, $1\frac{3}{4}$ " Diam.	.28	—	—
4061	Yoke, $2\frac{1}{2}$ " Wide, for Holding Two Jaws	.23	—	—
4071	Yoke, $2\frac{1}{2}$ " Diameter, for Holding Three Jaws	.32	1	1
4056PN	Pin for Holding Jaw in Yoke	.03	3	2
4056C	Slotted Cap Screw Pulling Crossarm 6" Wide	1.10	—	—
4056J	Reversible Jaw, $3\frac{1}{2}$ " Long, 2" Yoke to Hook, $1\frac{5}{32}$ "- $4\frac{1}{8}$ " Inside and 0"- $2\frac{9}{16}$ " Outside Ranges	.11	3	—
4057J	Long Reversible Jaw, $4\frac{43}{64}$ " Long, $3\frac{5}{16}$ " Yoke to Hook, $1\frac{1}{8}$ "-3" Inside and 0"-5" Outside Ranges	.18	—	—
4058J	Inside Jaw, $3\frac{13}{64}$ " L., $1\frac{47}{64}$ " Yoke to Hook, $1\frac{1}{8}$ "- $2\frac{1}{4}$ " Range	.10	—	2
4056L	Inside Jaw, $4\frac{1}{16}$ " L., 3" Yoke to Hook, $1\frac{5}{8}$ "- $6\frac{1}{4}$ " Range	.21	—	—
4066	Outside Jaw, $4\frac{19}{32}$ " L., 3" Yoke to Hook, 0"- $5\frac{3}{16}$ " Range	.21	—	—
4067	Long Outside Jaw, $7\frac{3}{32}$ " Long, $6\frac{1}{8}$ " Yoke to Hook, 0"- $8\frac{3}{4}$ " Range	.30	—	—
4056S	Single Jaw, $2\frac{5}{16}$ " L., for Wheel Alignment, Brakes, Pulling Grease Retainers, Small Bearings, etc.	.17	—	—

† Shown in Illustration at Top of Page.

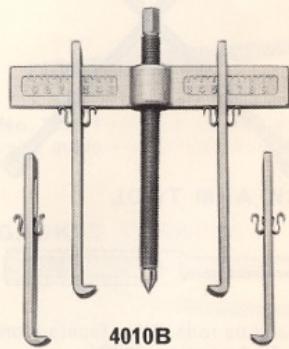
Set Weight, Lbs. 6.09 4.9

MEDIUM AND HEAVY-DUTY PULLERS



4020C
For harmonic balancer assemblies, timing gears, etc.

4020 B



4022T 4022TS
Detachable "live center" screw tips do not rotate when a screw is turned, preventing shaft damage, keeping screw on center, relieving screw strain and better alignment.

Provide straight line pulling for all types of bearings, sprockets, gears, pulleys, wheels, hubs, etc. Springs hold quick-change jaws securely on crossarm, which is marked to show the inches jaws are apart. With no linkage or pins to adjust, they are easy to set up. Jaws have hole for bolting together, extending reach.

MEDIUM-DUTY PULLER PARTS AND SETS

No.	Description	Lbs. Wt.	Parts In Sets 4020A	4020B	4020C
4021	Crossarm, 7" Long, with Jaw-Positioning Guide	1.00	1	1	..
4021-S	Spring for Jaws 4025, 4026 and 4027	.01	4	4	..
4056-C	Cap Screw Crossarm, 6" Wide	1.10	..	..	1
4022	Screw, 6 $\frac{3}{4}$ " Long, 1 $\frac{1}{2}$ " Hex. Head, with 4022-T & 4022-TS Tips	.35	1	1	1
4022-T	Standard Detachable Tip for 4022 Screw, 60° Taper	.03	..	..	..
4022-TS	Small Detachable Tip for 4022 Screw, 1 $\frac{1}{4}$ " Diameter	.02	..	..	..
†4025	Jaw, 2" from Crossarm to Hook	.33	2	2	..
†4026	Jaw, 4" from Crossarm to Hook	.50	2	2	..
4027	Narrow Jaw, 4" from Crossarm to Hook	.35	..	..	..
4028	Cap Screw, Case Hardened, 3" Long	.10	..	..	2
4029	Steel Box, 7" x 7" x 1 $\frac{3}{8}$ "	1.74	1	..	..
Set Weight, Lbs.		4.79	3.05	1.65	

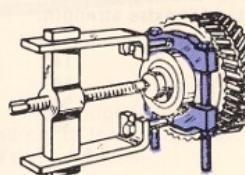
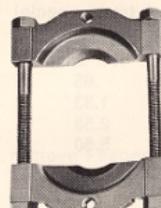
HEAVY-DUTY PULLER PARTS AND SETS

No.	Description	Lbs. Wt.	Parts In Sets 4010B	4030A	4030B
4011	Crossarm, 11" Long, with Jaw-Positioning Guide	2.7	1	1	1
4011-S	Spring for Jaws 4015, 4016, 4017 and 4018	.02	4	8	8
4012	Screw, 11 $\frac{7}{16}$ " Long, 7 $\frac{1}{8}$ " Hex. Head, with 4012-T Tip	1.20	1	1	1
4012-T	Standard Detachable Tip for 4012 Screw, 60° Taper	.06	..	..	..
†4015	Jaw, 4 $\frac{1}{4}$ " from Crossarm to Hook	.94	2	2	2
†4016	Jaw, 7 $\frac{1}{16}$ " from Crossarm to Hook	1.26	2	2	2
4017	Timing Gear Jaw, 7 $\frac{3}{16}$ " from Crossarm to Hook	1.14	..	2	2
†4018	Cap Screw Jaw, 3" from Crossarm to Hook	.88	..	2	2
4019	Steel Box, 11 $\frac{1}{8}$ " x 11 $\frac{3}{4}$ " x 1 $\frac{3}{4}$ "	4.1	..	1	..
Set Weight, Lbs.		8.38	16.60	12.50	

†Has extra hole near hook for bolting jaws together, which saves buying expensive long-reach jaws.

SEPARATOR-PULLER

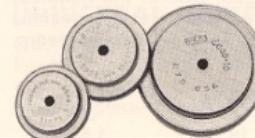
NO. 4032 BEARING SEPARATOR AND PULLER ATTACHMENT



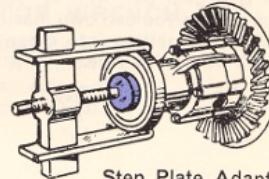
No. 4032—Bearing Separator and Puller Attachment shown above in blue with No. 4020B Puller.

Flat surfaces, thin edges permit adjustment behind many gears, bearings, etc., where space is too limited for puller hooks. Protects expensive bearings. Overall width, 5 $\frac{3}{16}$ ". Max. opening, 4" x 4 $\frac{1}{2}$ ". Wt., 4.4 Lbs. Parts: Top Plate—4032-A. Bottom Plate—4032-B. Bolt and Nut—4032-S. Top and Bottom holes are 1 $\frac{1}{2}$ -13 thread. It is also ideal as an arbor press bed plate.

STEP PLATE ADAPTERS



4040-1 THRU -14



Step Plate Adapter shown in blue used with No. 4020B Puller.

STEP PLATES

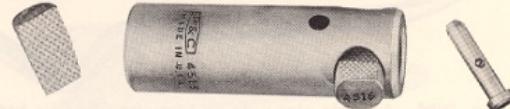
Used on hollow shafting or housings as base for puller screw to force off bushings, gears, etc., also for installing oil seals.

No.	Small Diam.	Large Diam.	Wt., Lbs.
4040-1	3 $\frac{1}{4}$ "	1"	.05
4040-2	7 $\frac{1}{8}$ "	1 $\frac{1}{2}$ "	.08
4040-3	1"	1 $\frac{1}{4}$ "	.10
4040-4	1 $\frac{1}{8}$ "	1 $\frac{1}{2}$ "	.13
4040-5	1 $\frac{1}{4}$ "	1 $\frac{5}{8}$ "	.19
4040-6	1 $\frac{3}{8}$ "	1 $\frac{7}{8}$ "	.22
4040-7	1 $\frac{1}{2}$ "	1 $\frac{7}{16}$ "	.28
4040-8	1 $\frac{5}{8}$ "	2"	.33
4040-9	1 $\frac{3}{4}$ "	2 $\frac{1}{8}$ "	.40
4040-10	1 $\frac{7}{8}$ "	2 $\frac{1}{2}$ "	.49
4040-11	2"	2 $\frac{1}{2}$ "	.59
4040-12	2 $\frac{1}{8}$ "	2 $\frac{3}{4}$ "	.65
4040-13	2 $\frac{1}{4}$ "	2 $\frac{7}{8}$ "	.76
4040-14	2 $\frac{3}{8}$ "	2 $\frac{1}{2}$ "	.83

No. 4040 Set. Eleven sizes Step Plates, 4040-1 to 4040-11. Wt., 3.0 Lbs.

MANUAL STUD REMOVERS AND SETTERS

Wedge type removers and setters are superior to eccentric roller type, give long service, handle very short studs ($\frac{1}{4}$ " for No. 4515), have small turning radius which clears obstructions that would block operation of other types. Tapered, deeply-serrated wedges grip tighter as pressure is applied and take firm hold on stubborn studs. Each unit has two wedges to increase usable range. Spring-tensioned pin holds wedges in body when not in use.



STANDARD 1/2" SQUARE DRIVE

No.	Description	For Studs Wt., Lbs.	Diam. Lgth.
4515	Stud Remover	1 $\frac{1}{4}$ "-5 $\frac{5}{8}$ "	.78 1 $\frac{3}{16}$ " 3 $\frac{1}{2}$ "
4516	Thick Wedge Only	1 $\frac{1}{4}$ "-7 $\frac{1}{16}$ "	.07
4517	Thin Wedge Only	1 $\frac{1}{2}$ "-5 $\frac{5}{8}$ "	.04

HEAVY-DUTY 3/4" SQUARE DRIVE

4532	Stud Remover	5 $\frac{1}{8}$ "-1"	3.4	2"	5 $\frac{1}{8}$ "
4533	Thick Wedge Only	5 $\frac{1}{8}$ "-3 $\frac{1}{4}$ "	.34		
4534	Thin Wedge Only	3 $\frac{1}{4}$ "-1"	.18		



SPECIAL-PURPOSE TOOLS

LINING UP BARS

For countless aligning and prying jobs. Forged from special alloy steel, heat treated for extra strength.

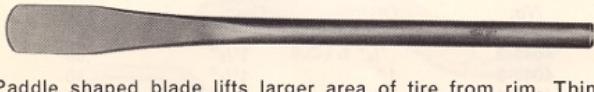
No.	Stock Size	Length	Wt. Lbs.
101	1/2"	14"	.65
102	5/8"	18"	1.33
103	3/4"	24"	2.55
104	15/16"	30"	5.50

ROLLING HEAD BARS

New type gear bar, with 90° rolling head. One of the handiest types of bars you can own, having a great many uses. Especially valuable for getting into close places, such as behind gears. Forged from alloy steel.

No.	Size	Length	Wt. Lbs.
2126	1/2"	16"	.86
2130	5/8"	18"	1.62

BROAD TIRE IRON



Paddle shaped blade lifts larger area of tire from rim. Thin blade gives best balance with light weight. Hot forged alloy steel with dipped satin finish.

No.		Length	Wt. Lbs.
207	Straight blade	18"	2

TIRE PRODDING AWL



Tapered blade spreads rubber while blunt point removes imbedded particles without danger of damaging tube. Wooden handle shaped to fit palm comfortably. Lacquered finish.

No.	Length	Wt. Lbs.
230	7 1/4"	.1

FOUR-WAY LUG

WRENCHES

Forged from alloy steel and induction welded for greatest strength and durability. Hex openings of 3/4", 5/8", 13/16", and 7/8" fit lug nuts of practically all cars and trucks. Two sizes to clear wide fenders.

No.	Length	Wt. Lbs.
1175	18"	3.0
1176	21 1/2"	3.2



DRAG LINK AND SHOCK ARM TOOL



It's easy to separate shock links and tie rods. Slim, tapered fork is designed to facilitate insertion. Fork opening, 21/32".

No.	Length	Wt. Lbs.
6545	16"	2.3

PITMAN ARM PRY BAR



Forget about expensive pullers to remove Pitman arms. Use it, too, for pulling bearings, pulleys, gears, for lifting blocks, heavy parts. Fork opening, 1 1/4".

No.	Length	Wt. Lbs.
6546	20"	2.8



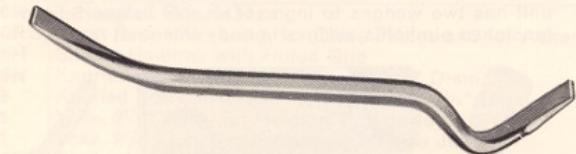
BRAKE TOOLS

BRAKE ADJUSTING TOOL

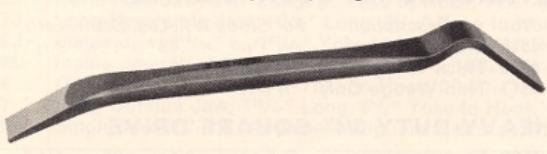


No. 2005—To remove and replace Bendix Brake Springs (General Motors' cars and many others) and any type where the spring is attached to a post. Replaceable spring removal socket. Total wt., .40 Lb.

BRAKE ADJUSTING TOOLS



No. 2006—Adjusts star nuts on two-shoe Bendix brakes. 9 1/16" long, has 1 3/4" spoons, weighs .30 Lb.



No. 2007—For Chevrolet brakes and other close places. 6 15/16" long, has 1 3/16" and 1 7/16" spoons, weighs .18 Lb. Both are alloy steel.

CHRYSLER BRAKE WRENCH

No. 2008—Has 3/8" hex. socket for brake bleeder screw and 7/16" hex. socket for adjusting screw on late Chryslers and De Sotos. Clears tires. Alloy steel. Length, 7 5/16". Weight, .19 Lb.

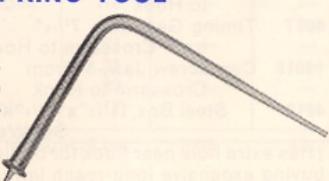
BRAKE BLEEDER WRENCH

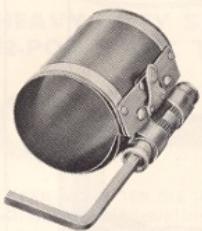


No. 2009—For Chevrolets, Fords and Lincolns with ball joint front end suspension. L-shaped handle has 5/16" hex. socket to remove bleeder screw cap and 3/8" hex. socket for turning screw. Alloy steel. Length, 6 3/4". Weight, .24 Lb.

CHRYSLER BRAKE SPRING TOOL

No. 2010—Forged, milled and swaged from alloy steel, this tool designed to quickly remove and replace brake shoe returns on '57, '58, '59 Chryslers, De Sotos, Dodges and Plymouths. Length 5 1/2" x 6 1/2". Wt. .25 Lb.

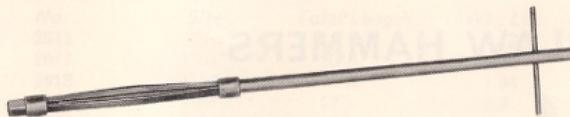




PISTON RING COMPRESSOR

No. 2316—Band-operating ratchet prevents breakage and slippage. Wide band (3 $\frac{1}{2}$ ") has 2 $\frac{1}{8}$ " to 5" range. Ell handle included. Weight, .70 Lb.

VALVE GUIDE CLEANER



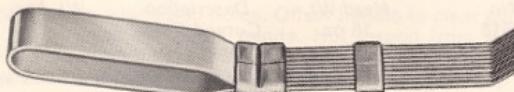
No. 2335 Turning a nut adjusts the five flexible blades to any valve guide size. Length, 9 $\frac{3}{4}$ ". Weight, .10 Lb.

GASKET SCRAPER



No. 2336 For removing shellacked gaskets, scraping carbon and many other uses. Has U.L. approved handle of tough, fire-resistant plastic, and round blade of special alloy steel. Length, 10 $\frac{3}{8}$ ". Blade width, 1 $\frac{1}{2}$ ". Weight, .41 Lb.

FLEXIBLE CARBON SCRAPER



No. 2337 Sliding band regulates the flexibility of the ten round spring steel blades. Length, 9". Width, 1". Weight, .30 Lb.

CONNECTING ROD SOCKET

Thin nose, hexagon, $\frac{1}{2}$ " drive socket for Ford V8s. Alloy steel.

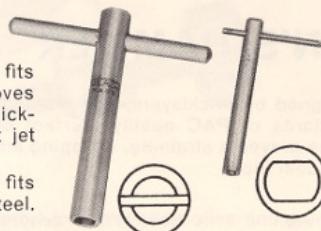
No.	Opening	Length	Wt. Lbs.
6523	9/16"	17/16"	.11



CARBURETOR JET WRENCHES

No. 6526 (Wt., .07 Lb.) fits Holley and Chandler-Groves carburetors. Turns jets quickly, without damaging soft jet material.

No. 6528 (Wt., .06 Lb.) fits most Strombergs. Alloy steel.



DISTRIBUTOR POINT SOCKET

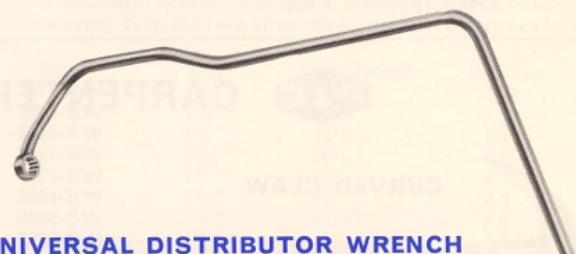
No. 6535 For late Chevrolets. Two prongs turn the housing terminal screw. Drive, $1\frac{1}{4}$ ". Length, 1 $\frac{1}{16}$ ". Alloy steel. Weight, .02 Lb.



VALVE LIFTER



No. 6539, Ford V8-85. Long leverage breaks loose the toughest guides. Push guide down to remove keeper, and pry to force out guide. Stock, $3\frac{1}{4}$ ". Length, 30". Alloy steel. Weight, 3.5 Lbs.

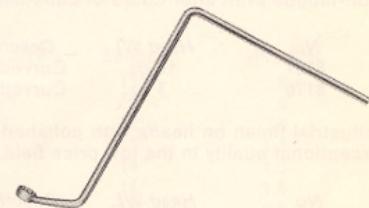


UNIVERSAL DISTRIBUTOR WRENCH

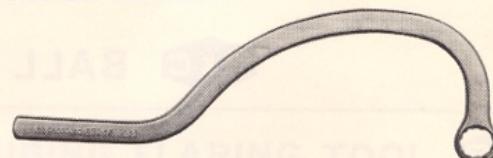
No. 6540 New design 6540 especially for '57 Fords, but desirable wherever $1\frac{1}{2}$ " hold-down nuts are used on distributors. Alloy steel, chrome plate. Length 17". Weight, .70 Lb.

BUICK DISTRIBUTOR WRENCH

No. 6541 For reaching and turning distributor mounting bolt on late Buicks. Head has 12-point, $9/16$ " box opening and is offset $1\frac{1}{8}$ " to clear obstructions. Height, 10 $\frac{3}{16}$ ". Handle length, 8". Alloy steel. Weight, .57 Lb.



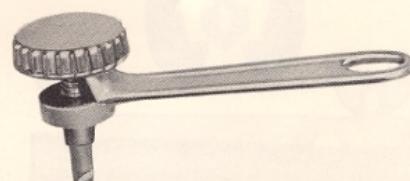
STARTER WRENCH



No. 6601 For Plymouth, Dodge, De Soto and Chrysler cars. Clears objects when removing or replacing starter. $5/8$ " box opening. Length, 9 $\frac{3}{4}$ ". Alloy steel. Weight, .35 Lb.

OVERHEAD VALVE ADJUSTERS

For accuracy, speed and ease when adjusting overhead valves. Using a $1/2$ " drive socket, loosen lock nut, turn alloy steel screwdriver with knob for adjustment (setting valve clearance with feeler gauges), and tighten lock nut with handle while holding screwdriver knob. Also used with clutch adjusting machines.



No. 6734 For all 6-cylinder and many V8 overhead valve engines without hydraulic lifters. Has clearance for adjusting valves under fire wall on late 6-cylinder Chevrolets. Maximum bit length, 1 $\frac{3}{8}$ ". Weight, .33 Lb.

No. 6735 For late Ford, Mercury and other overhead valve engines. Maximum bit length of $3\frac{5}{32}$ " clears exhaust manifolds. Weight, .36 Lb.



SPECIAL-PURPOSE TOOLS

MUFFLER REMOVAL TOOL



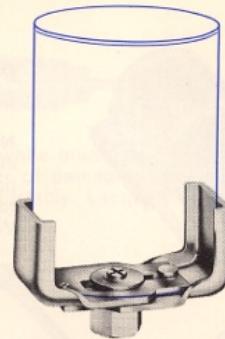
Best way yet to remove worn-out mufflers and tailpipes! Safe, fast and easy to use. Helps prevent damage to usable parts. Made of special high strength alloy steel.

No.	Length	Wt. Lbs.
2301	6 1/8"	.29

OIL FILTER REMOVAL TOOL

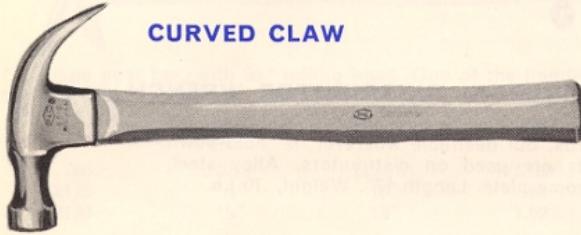
Takes a vise-like grip to remove oil filters in a breeze! Self locking, self adjusting. Use it on most standard domestic units and many foreign types of disposable filters. Designed to protect hands and arms against hot manifolds.

No.	Wt. Lbs.
2304	.90



CARPENTERS' CLAW HAMMERS

CURVED CLAW



P&C offers a most complete line of carpenters' claw hammers. The distinctive octagon shaped hickory handles are used throughout the series. Perfect balance assures ease of use and non-fatigue even after hours of constant use.

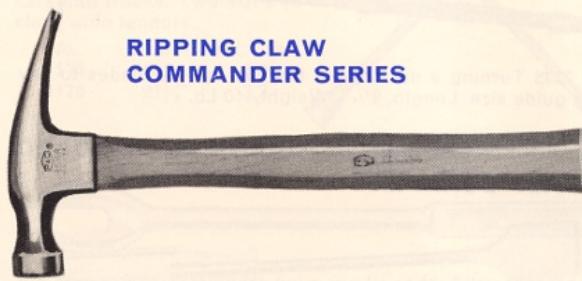
No.	Head Wt.	Description	Wt. Lbs.
8167	16 oz.	Curved Claw	1.45
8170	7 oz.	Curved Claw	.65

Industrial finish on heads with polished face and back of claw. Exceptional quality in the low price field.

No.	Head Wt.	Description	Wt. Lbs.
8216	16 oz.	Curved Claw	1.45

Drop forged with octagon neck. Polished face, poll and back of claw. Particularly designed for today's competitive market.

RIPPING CLAW COMMANDER SERIES



No.	Head Wt.	Description	Wt. Lbs.
8313	13 oz.	Curved Claw	1.20
8316	16 oz.	Curved Claw	1.45
8316-R	16 oz.	Ripping Claw	1.45

Designed for the discriminating "Do-it-yourselfer" and professional carpenter. Octagon handle for good gripping. Drop forged octagon neck. Highly polished face, poll, sides and back of claw. White lacquer finish on hickory handle.

PREMIER SERIES

No.	Head Wt.	Description	Wt. Lbs.
8516	16 oz.	Curved Claw	1.45
8516-R	16 oz.	Ripping Claw	1.45

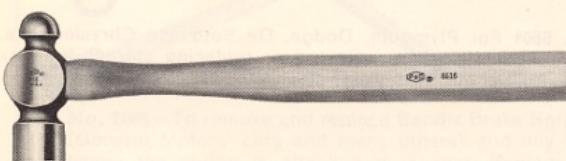
Finest quality and appearance. Beautifully polished head with octagon neck. White hickory handle, straight grained and with distinctive P&C octagon shape.



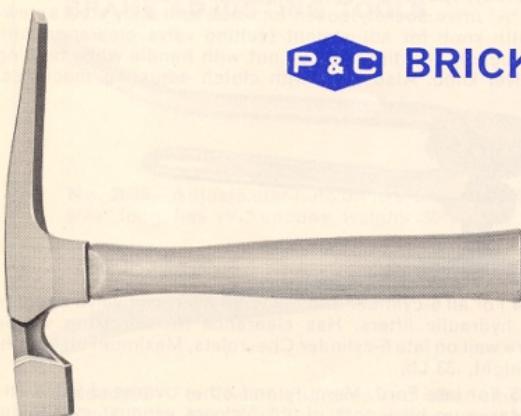
BALL PEIN HAMMERS

Distinctive octagon handle—genuine hickory with white lacquer finish. Drop forged heads have major surfaces highly polished.

No.	Head Wt.	Length	Wt. Lbs.
8604	4 oz.	11 1/2"	.45
8608	8 oz.	12 1/2"	.70
8612	12 oz.	13 1/2"	1.10
8616	1 lb.	14"	1.40
8624	1 1/2 lbs.	15"	2.00
8632	2 lbs.	16"	2.50



BRICK MASON'S HAMMER



Designed by bricklayers, and manufactured to the usual high standards of P&C quality. Perfect balance and proper wrist radius prevents straining. Chipping and cutting made easy with this ideal tool.

No.	Head Wt.	Length of Head	Wt. Lbs.
8912	10 oz. Tile Setter	6"	.77
8920	1 1/4 lbs.	7 1/4"	1.35
8924	1 1/2 lbs.	8 1/2"	2.00

Note: Replacement handles available—See price list.

HEAVY-DUTY INDUSTRIAL WRENCHES



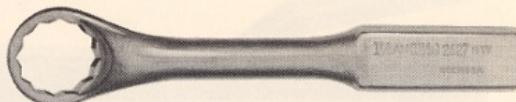
HEAVY-DUTY SPUD-END 12-POINT BOX TYPE



These wrenches are ideal for construction, refineries, etc. You will note the innovation of a box end in this wrench, a real safety factor. Makes quick work of loosening frozen or rusted bolts or nuts. The spud end is very handy for aligning holes in flanges. Note the clearance provided by the offset head which overcomes the usual clearance problems. Forged from alloy steel, they are extra strong.

No.	Size	Total Length	Wt., Lbs
2615	15/16"	14 1/2"	1.13
2617	1 1/16"	15 1/8"	1.30
2618	1 1/8"	16 1/4"	1.94
2620	1 1/4"	17"	2.2
2623	1 7/16"	19"	3.0
2624	1 1/2"	20 1/8"	3.3
2626	1 5/8"	21 1/4"	3.6
2627	1 11/16"	22 1/4"	3.7
2629	1 13/16"	23 1/4"	5.5
2630	1 7/8"	24 1/4"	5.6
2632	2"	25 1/4"	6.0
2635	2 3/16"	26"	6.4
2638	2 3/8"	26 1/2"	7.0
2641	2 9/16"	28"	8.7
2644	2 13/16"	29"	8.2
2647	2 15/16"	29 3/4"	12
2650	3 1/8"	30"	11

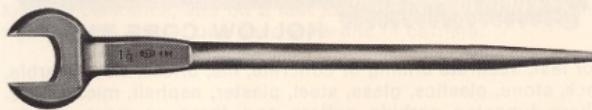
STRIKING WRENCHES, 12-POINT BOX TYPE



Striking wrenches have a square striking surface for use with a sledge or hammer. They are offset to allow maximum clearance. These wrenches are necessary for use on large bolts and nuts in restricted quarters. They are noted for their great strength, being forged from special alloy steels. Although strong enough for extra heavy duty, they are streamlined to reduce unnecessary weight.

No.	Size	Total Length	Wt., Lbs.
2617-SW	1 1/16"	8 1/2"	1.70
2618-SW	1 1/8"	8 1/2"	1.60
2620-SW	1 1/4"	10 3/4"	3.2
2621-SW	1 3/16"	10 3/4"	3.0
2623-SW	1 7/16"	12"	4.7
2624-SW	1 1/2"	12"	4.4
2626-SW	1 5/8"	12 1/4"	4.6
2627-SW	1 11/16"	12 1/4"	4.5
2629-SW	1 13/16"	13 7/16"	6.6
2630-SW	1 7/8"	13 7/16"	6.8
2632-SW	2"	13 7/16"	6.6
2635-SW	2 3/16"	13 7/16"	8.2
2638-SW	2 3/8"	13 7/8"	7.8
2641-SW	2 9/16"	13 7/8"	8.7
2644-SW	2 13/16"	13 7/8"	8.2
2647-SW	2 15/16"	16"	13.
2650-SW	3 1/8"	16"	12.

STRUCTURAL WRENCHES



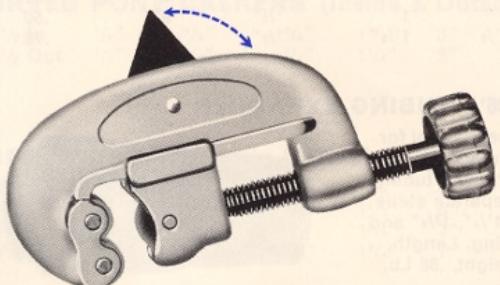
Tapered handle aligns bolt holes. Offset handle to clear adjoining bolts, protect operator's hands. Hot forged from special analysis alloy steel, scientifically heat treated for greatest strength and longest wear. Perfectly balanced and comply with all Government specifications on structural wrenches. Sandblasted satin finish clear lacquer coated to resist rust.

No.	Opening Size	Length	Wt., Lbs.
924	3/4"	11"	.8
926	1 3/16"	12 1/8"	.9
928	7/8"	12 1/8"	.9
932	1"	13"	1.3
934	1 1/16"	14"	1.5
936	1 1/8"	14"	1.5
940	1 1/4"	16"	2.5
942	1 5/16"	16"	2.5
946	1 7/16"	18"	3.8
948	1 1/2"	18"	3.8
952	1 5/8"	20"	5.8

TUBING CUTTER AND TUBING FLARING TOOL



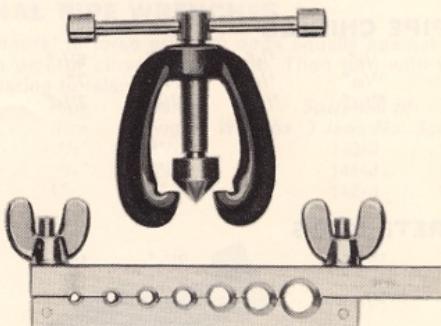
TUBING CUTTER



No. 350. An increasingly useful tool for automotive and truck mechanics, plumbers, etc. Cuts metal tubing or conduit from 1/8" to 1 1/8" O.D. Husky screw and alloy frame, plus scientifically heat treated alloy steel blade gives clean, fast cuts and long service.

Has special flare-cut-off rollers which permit cutting near flared tubing ends as well as on straight tubing sections. Retractable Reamer Blade on frame. Wt. .75 lb.

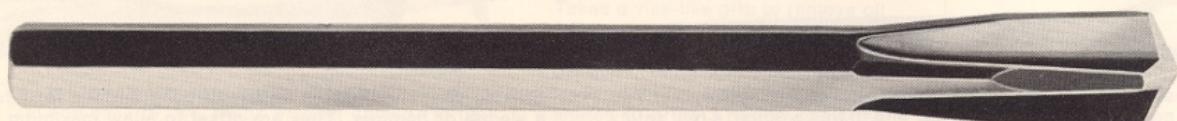
TUBING FLARING TOOL with slip-on yoke



No. 351. A complete flaring tool for tubing sizes 3/16" through 5/8". Flaring Yoke is malleable iron of proper toughness; tapered cone is hardened and polished, and rides on a ball-bearing; all steel parts are bright plated. Yoke Frame is black wrinkle finish. Wt. 1.90 lbs.



PLUMBING TOOLS

5 $\frac{5}{8}$ 13 $\frac{3}{4}$ 37 $\frac{5}{8}$ 

112

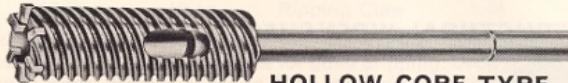
84 $\frac{7}{8}$

P&C offers a complete line of top quality plumbing tools. They are manufactured from the highest quality alloy chisel steel by P&C master craftsmen. Large, octagon handles with beveled heads give perfect balance and positive grip. Edges are oil tempered to retain sharpness.

CARBIDE POWER TYPE MASONRY DRILLS



SOLID SHAFT TYPE



HOLLOW CORE TYPE

For fast, accurate drilling of concrete, tile, bricks, slate, marble, rock, stone, plastics, glass, steel, plaster, asphalt, micarta, etc. Sharp tungsten carbide cutters and three or more spirals. Turned by electric or air drills. Solid type leaves no dead center. Hollow core type removes drilled materials quickly.

FLOOR OR WOOD CHISELS

No.	Stock Size	Width of Cut	Blade Length	Overall Length	Wt. Lbs.
5 $\frac{7}{16}$	$\frac{7}{16}$ "	$\frac{5}{8}$ "	$4\frac{1}{2}$ "	10"	.35
5 $\frac{1}{2}$	$\frac{1}{2}$ "	$\frac{3}{4}$ "	$4\frac{1}{4}$ "	10"	.50
5 $\frac{5}{8}$	$\frac{19}{32}$ "	1"	$3\frac{1}{4}$ "	10"	.70
5 $\frac{3}{4}$	$\frac{23}{32}$ "	$1\frac{3}{16}$ "	$3\frac{1}{2}$ "	10"	1.00

STAR DRILLS

13 $\frac{1}{4}$	$1\frac{1}{4}$ "	$1\frac{1}{4}$ "	..	12"	.16
13 $\frac{3}{16}$	$1\frac{1}{4}$ "	$\frac{5}{16}$ "	..	12"	.16
13 $\frac{3}{8}$	$\frac{5}{16}$ "	$\frac{3}{8}$ "	..	12"	.26
13 $\frac{1}{2}$	$\frac{3}{8}$ "	$\frac{1}{2}$ "	..	12"	.38
13 $\frac{5}{8}$	$\frac{7}{16}$ "	$\frac{5}{8}$ "	..	12"	.52
13 $\frac{3}{4}$	$\frac{1}{2}$ "	$\frac{3}{4}$ "	..	12"	.70
13 $\frac{7}{8}$	$\frac{19}{32}$ "	$\frac{7}{8}$ "	..	12"	1.07
13-1	$\frac{23}{32}$ "	1"	..	12"	1.52

SOIL PIPE CHISELS

37 $\frac{1}{2}$	$\frac{1}{2}$ "	$\frac{5}{8}$ "	$2\frac{1}{8}$ "	$6\frac{1}{2}$ "	.35
37 $\frac{5}{8}$	$\frac{19}{32}$ "	$\frac{3}{4}$ "	$2\frac{1}{8}$ "	7"	.57
37 $\frac{3}{4}$	$\frac{23}{32}$ "	$\frac{7}{8}$ "	$2\frac{1}{8}$ "	$7\frac{1}{2}$ "	.84

CONCRETE GADS

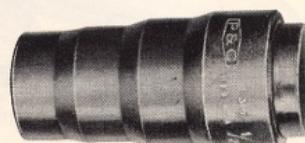
84 $\frac{3}{4}$	$\frac{23}{32}$ "	..	$2\frac{1}{8}$ "	12"	1.40
84 $\frac{7}{8}$	$\frac{13}{16}$ "	..	$2\frac{1}{2}$ "	12"	1.80
84-1	$\frac{15}{16}$ "	..	$2\frac{1}{4}$ "	12"	2.3

LEAD-PICKING TOOL

112	$\frac{1}{2}$ "	$\frac{3}{16}$ "	$2\frac{1}{8}$ "	9"	.46
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NO. 136 $\frac{1}{2}$ TUBING EXPANDER

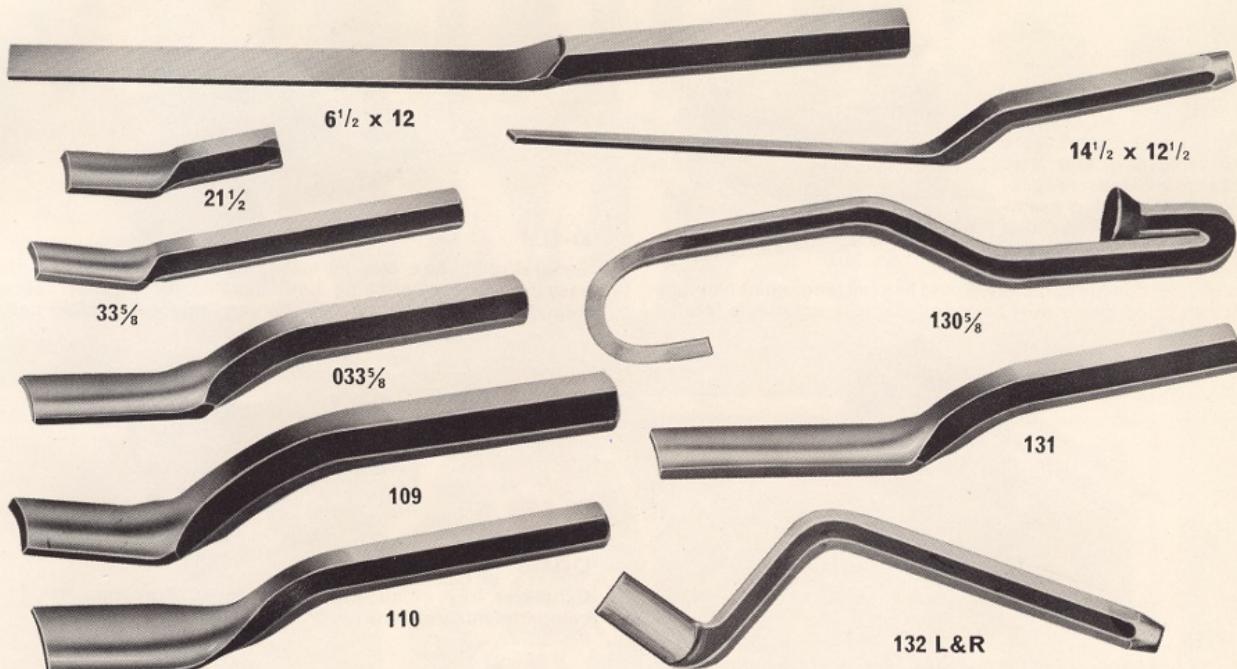
A very handy tool for plumbers and all others who work with tubing. Three separate steps expand $1\frac{1}{4}$ ", $1\frac{3}{8}$ " and $1\frac{1}{2}$ " tubing. Length, $3\frac{1}{8}$ ". Weight, .86 Lb.



NO. 137 $\frac{1}{2}$

For Expanding $\frac{3}{8}$ ", $\frac{1}{2}$ ", and $\frac{3}{4}$ " tubing. Length 9". Wt. 1.25 Lbs.





P&C produces the best possible plumbing tools at the best possible price. Yarning irons are slightly offset for clearance. Long calkers, for calking lead in hub of soil pipe, are ground both inside and out, and their concave blades fit 4" pipe. Water main calkers are ground square, have an offset handle for knuckle clearance, and do a fast job of calking joints. Left and right calkers are for use near walls and in corners.

SPRING YARNING IRONS

No.	Stock Size	Blade Thickness	Blade Width	Blade Length	Overall Length	Wt. Lbs.
6 1/2 x 12	1 1/2"	1/16"	5/8"	6 1/2"	12"	.45
6 5/8 x 12 1/2	19/32"	1/8"	3/4"	7"	12 1/2"	.64
6 5/8 x 18	19/32"	3/32"	3/4"	13"	18"	.80

OFFSET YARNING IRONS

14 1/2 x 12 1/2	1 1/2"	1/16"	5/8"	6 3/4"	12 1/2"	.52
14 5/8 x 13	19/32"	3/32"	11/16"	7 1/4"	13"	.79
14 5/8 x 19	19/32"	3/32"	11/16"	12 3/4"	19"	.99
14 3/4 x 15	23/32"	3/32"	3/4"	9 1/2"	15"	1.18

CURVED PONY CALKERS (Inside & Outside)

21 1/2 In	1/2"	1/8"	3/4"	1 1/4"	3"	.13
21 1/2 Out	1/2"	1/8"	3/4"	1 1/4"	3"	.13

LONG CALKERS (Inside & Outside)

33 1/2 In	1/2"	1/8"	3/4"	1 1/2"	6 1/2"	.32
33 1/2 Out	1/2"	1/8"	3/4"	1 1/2"	6 1/2"	.32
33 5/8 In	19/32"	5/32"	7/8"	1 3/4"	7"	.52
33 5/8 Out	19/32"	5/32"	7/8"	1 3/4"	7"	.52

OFFSET CALKERS (Inside & Outside)

033 1/2 In	1/2"	1/8"	3/4"	1 1/2"	6 1/2"	.33
033 1/2 Out	1/2"	1/8"	3/4"	1 1/2"	6 1/2"	.33
033 5/8 In	19/32"	1/8"	7/8"	1 3/4"	7"	.57
033 5/8 Out	19/32"	1/8"	7/8"	1 5/8"	7"	.57
034 5/8 In	19/32"	1/8"	3/4"	1 1/4"	7"	.50
034 5/8 Out	19/32"	1/8"	3/4"	1 1/4"	7"	.50

WATER MAIN CALKERS

No.	Stock Size	Blade Thickness	Blade Width	Blade Length	Overall Length	Wt. Lbs.
107 1/2	13/16"	3/8"	1"	17/16"	8"	1.01
107 1/2	13/16"	1/2"	1"	25/16"	8"	1.04
109	23/32"	3/16"	1"	21/16"	8"	.83

BROAD CURVED NOSE CALKING IRON

110	19/32"	1/8"	1 1/2"	2"	8 1/2"	.71
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CEILING CALKER

130 5/8	19/32"	5/32"	11/16"	1 5/8"	10"	1.20
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LONG GASKET CALKERS

131 5/8	19/32"	5/32"	7/8"	4"	9 1/2"	.67
131 3/4	23/32"	3/16"	1"	4 1/4"	9 1/2"	.98

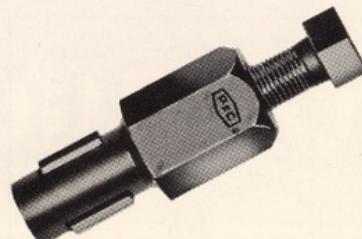
LEFT AND RIGHT CALKERS

132-L	19/32"	5/32"	7/8"	1 3/8"	8 7/8"	.87
132-R	19/32"	5/32"	7/8"	1 5/8"	8 7/8"	.87

INTERNAL PIPE WRENCHES

Screw mandrel to force gripping dogs equally against interior of broken pipe or close nipples, etc. Then turn with wrench. No hammering to release.

No.	Pipe Size	Overall Length	Spare Set of 3 Jaws	Spare Screw No.
140	1/2"	3 1/2"	.30	140-J 140-S
141	3/4"	3 3/4"	.51	141-J 141-S
142	1"	4"	.57	142-J 142-S



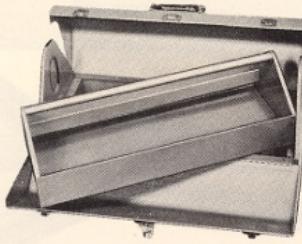
For 9500 series screw and pipe extractors.
See page 11.



MECHANIC'S CHESTS AND CABINETS

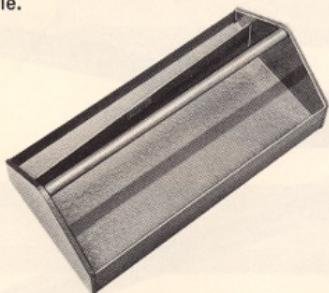
D-0918

Large tool compartments and removable tote tray. Tote tray with tapered socket compartment has seamless rolled steel handle. Case ends are double walled and reinforced. Rigid construction for durability. Cover has full length piano hinges on both sides, heavy duty hasp and staple, comfortable formed steel handle.



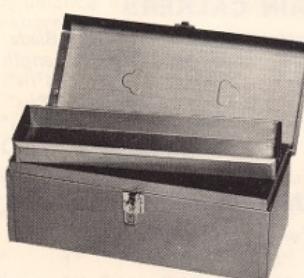
D-1113

Handle is seamless cold rolled steel. Edges of tray and socket partition hemmed and welded for strength and rigidity.



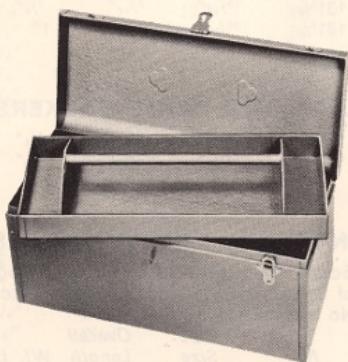
D-1116

Removable tote tray and big bottom tool space make these boxes useful for many jobs and home work. Cover has full length piano type hinge, hasp and staple for padlock, nickel plated suitcase catches, big comfortable steel handle. Cover edge is hemmed, welded, and fits properly over rigid box lip with welded wrap-around corner ears.



D-1120

This box has removable tote tray with seamless handle, three compartments for tools and hardware, cover has full length piano type hinge, hasp and staple for padlock, nickel plated suitcase catches. Cover edge is hemmed and welded for rigidity and proper fit over box lip which has welded wrap-around "ears" at the corners. Big, comfortable, seamless steel handle.



D-1121

General utility box. May be locked through handles, also very easy to carry by gripping both handles. Spill proof design. Ruggedly constructed tote tray for carrying tools or other parts.



D-1123

Cantilever tray which raises with cover. Tray also has four compartments as shown in photo at left.



D-1216

Convenient roller cabinet with three drawers and generous storage compartment. When panel is closed all drawers are covered. When open, panel slides out of the way yet is permanently attached to cabinet. Four heavy-duty casters, two swivel with brake lock and two rigid. Heavy plated drawer pulls and side handle. Cylinder-type key change lock. Drawer suspensions are sturdy and free-sliding.



No. 1225 Chest and No. 1216 Roller Cabinet go together to make a Matched Combination Unit.

D-1225

For the mechanic who wants his tools at his fingertips. Double hinged single-action lock-front and lid folds back out of the way. Big top till has compartments for small tools and sockets. Tote tray supplied with chest. Six easy pull compound-slide drawers have safety stops to prevent spilling but can be removed to clean. Strong cylinder type key lock.



D-1250

Seven drawers of various sizes properly designed and lined with durable green rayon flock to protect precision tools, plus the big tool till on top. Easy-pull suspension slides have stops to prevent drawers spilling. Full length piano hinged cover.

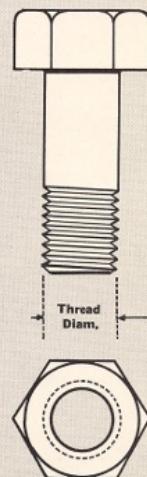
No.	Length	Width	Height	Wt. Lbs.
D-0918	19"	10"	13"	16 1/2
D-1113	19"	9 1/8"	3"	3 3/4
D-1116	16"	7"	7"	6
D-1120	20"	8 1/2"	9 5/8"	11 1/2
D-1121	21"	8 1/2"	7 1/2"	10
D-1123	19"	7"	7"	6 1/2
D-1216	26 3/8"	18"	32 1/2"	86
D-1225	26"	12"	14 3/8"	54 1/2
D-1250	20 1/8"	8 1/2"	13 1/2"	31 1/2

Standard Bolt, Nut and Screw Sizes corresponding to Sizes of P&C Wrenches and Sockets

HOW TO USE THIS CHART

To use this chart, locate thread diameter of bolt, nut or screw in extreme left column. Then move across to box which has proper identification of bolt, nut or screw at top of vertical column. The size in this particular box is the nominal opening size in inches of the P&C wrenches and sockets that will fit.

AMERICAN STANDARD SERIES								
Thread Diameter Of Bolt, Nut or Screw	HEAVY		REGULAR		LIGHT			
	Sq. & Hex. Bolt Heads	Sq. Nuts & Hex. Nuts, Jam Nuts & Slotted Nuts	Sq. & Hex. Bolt Heads (Mach. Bolt Heads)	Sq. Nuts & Hex. Nuts, Jam Nuts & Slotted Nuts	Hex. Nuts, Jam Nuts, Slotted Nuts & Castle Nuts	Hex. Full Finished Cap Screw Heads	Sq. & Hex. Machine Screw Nuts & Sq. Stove Bolt Nuts	Sq. Set Screw Heads
	USS Nuts				Nat. Fine (SAE Thr.)			
#0 & 1							5/32	
#2 & 3							3/16	
#4							1/4	
#5 & 6							5/16	
#8							11/32	
#10							3/8	
#12							7/16	5/16
1/4"		1/2	3/8	7/16	7/16	7/16	1/4	3/8
5/16"		19/32	1/2	9/16	1/2	1/2	5/16	1/2
3/8"		11/16	9/16	9/8	9/16	5/8	3/8	9/16
7/16"		25/32	5/8	3/4	5/8	5/8	7/16	5/8
1/2"		7/8	7/8	13/16	3/4	2/4	1/2	3/4
9/16"		15/16*	7/8	7/8	7/8	13/16	9/16	7/8
5/8"		11/16	15/16	1	15/16	7/8	5/8	15/16
3/4"		11/4	11/8	11/8	1	1	3/4	11/8
7/8"		11/16	15/16	11/4	11/8	11/16	7/8	15/16
1"		15/8	15/8	11/2	17/16	15/16	1	11/2
1 1/8"		113/16	113/16	111/16	15/8	11/2	11/8	111/16
1 1/4"		2	2	17/8	113/16	111/16	11/4	17/8
1 3/8"		23/16	23/16	21/16	2	2	13/8	
1 1/2"		23/8	23/8	21/4	23/16	23/16	11/2	
1 5/8"		23/16	23/16	21/4	27/16	27/16		
1 3/4"		23/4	23/4	25/8	25/8	25/8		
1 7/8"		215/16	215/16	213/16	213/16	213/16		
2"		31/8	31/8	3	3	3		
2 1/4"		31/2	31/2	33/8	33/8	33/8		
2 1/2"		37/8	37/8	33/4	33/4	33/4		
2 3/4"		41/4	41/4	41/8	41/8	41/8		
3"		45/8	45/8	41/2	41/2	41/2		

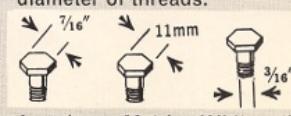


4- and 8-Point Sockets are used on Square Bolt Heads, Nuts and Screw Heads. 6- and 12-Point Sockets are used on Hexagon Bolt Heads, Nuts and Screw Heads.

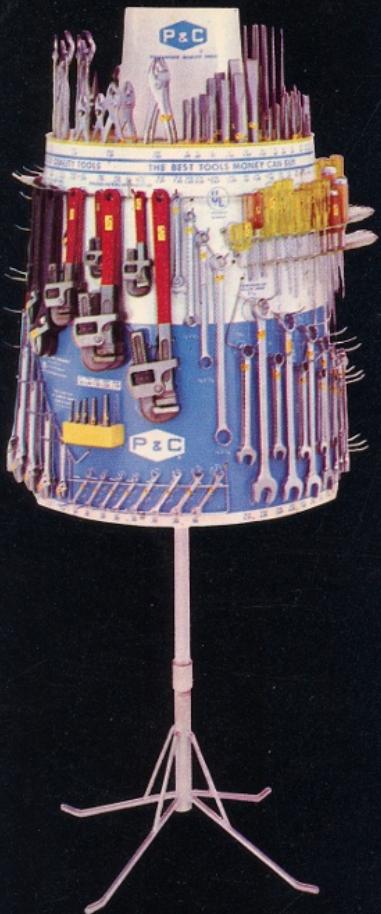
*Does not apply to USS Nuts.

METRIC CONVERSION TABLE								
Inches			Inches			Inches		
Fractions	Decimals	MM	Fractions	Decimals	MM	Fractions	Decimals	MM
1/32	.03215	.794	—	.2756	7.	17/32	.531	13.494
—	.0394	1.	9/32	.281	7.144	—	.5512	14.
—	.059	1.5	—	.2953	7.5	9/16	.563	14.288
1/16	.062	1.588	5/16	.312	7.938	—	.571	14.5
—	.0787	2.	—	.315	8.	—	.5906	15.
3/32	.094	2.381	—	.335	8.5	19/32	.594	15.081
—	.0984	2.5	11/32	.344	8.731	5/8	.625	15.875
—	.1181	3.	—	.3543	9.	—	.6299	16.
1/8	.125	3.175	—	.374	9.5	—	.6496	16.5
—	.1378	3.5	3/8	.375	9.525	21/32	.656	16.669
5/32	.156	3.969	—	.3937	10.	—	.6693	17.
—	.1575	4.	13/32	.406	10.319	11/16	.6875	17.463
—	.177	4.5	—	.413	10.5	—	.7087	18.
3/16	.1875	4.763	—	.4331	11.	23/32	.719	18.256
—	.1969	5.	7/16	.438	11.113	—	.7283	18.5
—	.2165	5.5	15/32	.469	11.906	—	.7480	19.
7/32	.219	5.556	—	.4724	12.	3/4	.750	19.050
—	.2362	6.	—	.492	12.5	25/32	.781	19.844
1/4	.250	6.350	1/2	.500	12.700	—	.7874	20.
—	.2559	6.5	—	.5118	13.	13/16	.8125	20.638

American and Metric wrench sizes are taken across the flats of the bolt head; Whitworth size is taken from outside diameter of threads.



American Metric Whitworth



Look for the colorful P & C self-selling merchandisers and Flex-Frames at your hardware store. The tool you need is easy to see, easy to feel and easy to buy. And for your convenience, every tool is pre-priced.

P & C MERCHANDISERS

The P & C merchandisers and Flex-Frames are your most convenient way of shopping for hand tools. On one unit you get a complete tool department right at your finger tips. Each tool is top quality, nationally advertised and backed by the famous P & C guarantee.

